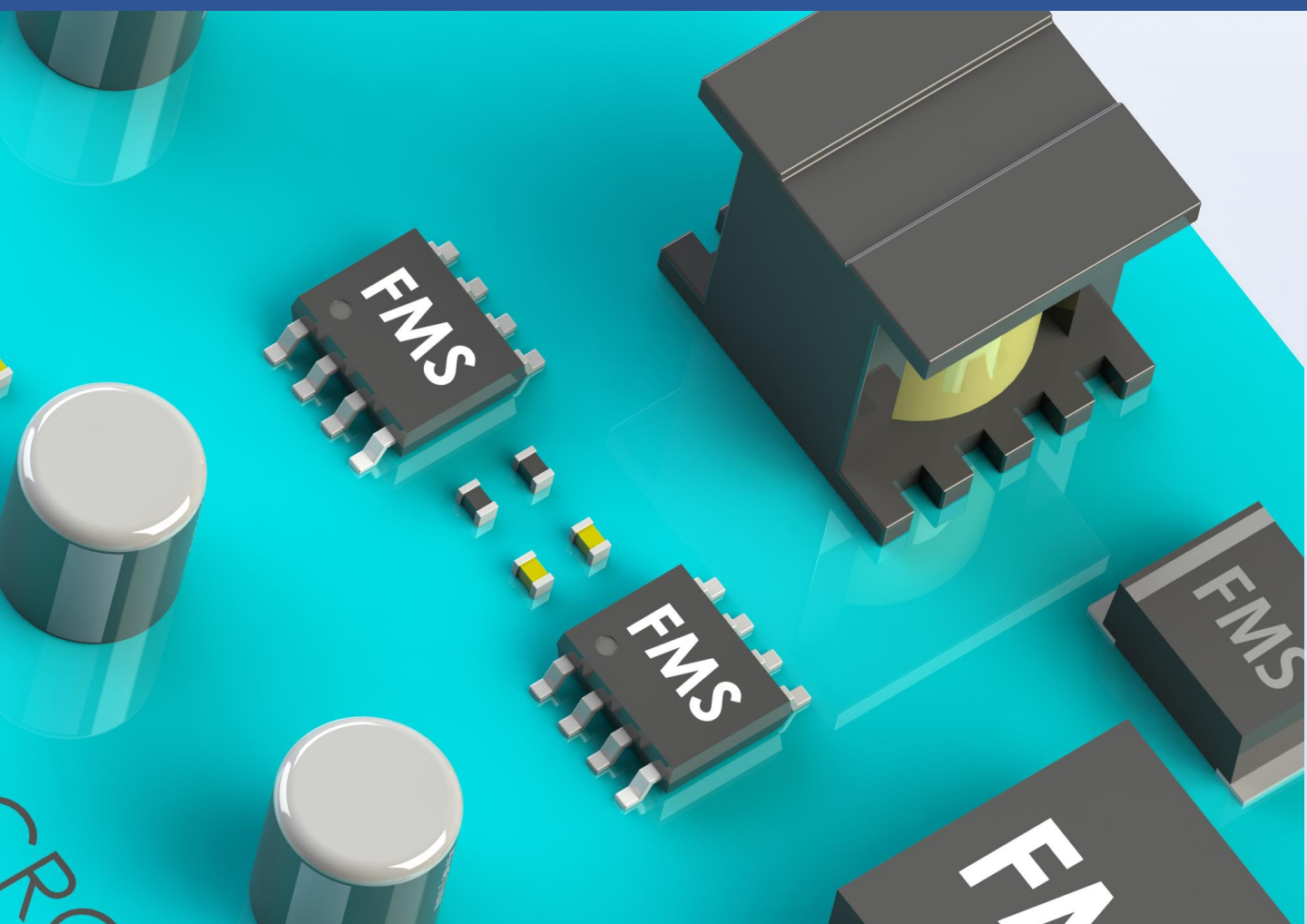




FORMOSA Microsemi CO., LTD.

Transistor Selection Guide



Formosa Microsemi CO.,LTD.

Transistor Selection Guide

- High Quality
- Service priority
- Customer Satisfaction
- Continuous improvement
- ISO 9001 Certification:2019
- Plan AEC-Q101
- Supply Chain:
- IATF 16949 PASS
- ISO 14001 PASS

Introduction

Established : July, 1996

Located : Taipei , Taiwan

Administration Center

Feature : Focus on Power/ Protection devices development
(MOSFETs/ESD/TVS/Diode/Zener...etc)

High Performance/Best Quality & Service Provider

How to find the required components
as quickly as possible



Guidance method based on **V_{ceo}(V)**

Guidance method based on **IC(A)**

Guidance method based on **PD(W)**

Guidance method based on **Package**

Transistor

Guidance method based on $V_{ceo}(V)$

$V_{ceo}(V)$	Page	$V_{ceo}(V)$	Page	$V_{ceo}(V)$	Page	$V_{ceo}(V)$	Page	$V_{ceo}(V)$	Page
-400	4	-50	5	12	9	65	16	430	17
-300	4	-45	6	15	9	80	16	450	17
-200	4	-40	6	20	10	100	16		
-160	4	-32	7	25	11	120	16		
-150	4	-30	7	30	12	150	17		
-120	4	-25	8	32	13	160	17		
-100	4	-20	8	40	13	200	17		
-80	4	-15	8	45	14	300	17		
-65	5	-12	8	50	15	400	17		
-60	5	11	9	60	16	420	17		

Guidance method based on $IC(A)$

$IC(A)$	Page	$IC(A)$	Page	$IC(A)$	Page	$IC(A)$	Page	$IC(A)$	Page
-5	18	-0.5	21	0.025	23	0.4	27	2	30
-3	18	-0.3	21	0.03	23	0.5	27	3	30
-2	18	-0.2	21	0.05	23	0.6	28	5	30
-1.5	18	-0.15	22	0.08	23	0.7	28		
-1	19	-0.1	22	0.1	24	0.8	28		
-0.8	19	-0.03	22	0.15	26	1	29		
-0.7	20	0.015	23	0.2	26	1.2	29		
-0.6	20	0.02	23	0.3	27	1.5	29		

Guidance method based on $PD(W)$

$PD(W)$	Page	$PD(W)$	Page	$PD(W)$	Page	$PD(W)$	Page	$PD(W)$	Page
0.1	31	0.225	36	0.6	40	1	41	2	41
0.125	31	0.3	37	0.625	40	1.2	41		
0.15	31	0.35	38	0.75	40	1.25	41		
0.2	32	0.5	39	0.8	40	1.3	41		

Guidance method based on **Package**

Package	Page
SOT-23	42
SOT23-3L	47
SOT-323	47
SOT-523	49
SOT-89	50
TO-126	52

Transistor

Transistor V_{ceo}= -400V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
1	-400	-0.3	0.2	PNP	SOT-23	FMBTA94
2	-400	-0.3	0.625	PNP	SOT-89	MPSA94U

Transistor V_{ceo}= -300V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
3	-300	-0.3	0.35	PNP	SOT-23	FMBTA92
4	-300	-0.2	0.5	PNP	SOT-23	FMPSA92

Transistor V_{ceo}= -200V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
5	-200	-0.5	0.35	PNP	SOT-23	FMBTA93

Transistor V_{ceo}= -160V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
6	-160	-1	0.5	PNP	SOT-89	F2SA1013U

Transistor V_{ceo}= -150V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
7	-150	-0.6	0.2	PNP	SOT-23	FMBT5401
8	-150	-0.6	0.2	PNP	SOT-323	FMBT5401W
9	-150	-0.5	0.5	PNP	SOT-89	F2N5401U

Transistor V_{ceo}= -120V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
10	-120	-1.5	1	PNP	SOT-89	F2SB1027U
11	-120	-0.8	0.5	PNP	SOT-89	F2SA1201U
12	-120	-0.6	0.2	PNP	SOT-23	FMBT5400
13	-120	-0.8	0.5	PNP	SOT-89	F2SA1661U

Transistor V_{ceo}= -100V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
14	-100	-2	0.5	PNP	SOT-89	F2SA1417U

Transistor V_{ceo}= -80V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
15	-80	-1	0.5	PNP	SOT-89	F2SB1260U
16	-80	-0.5	0.2	PNP	SOT-23	FMBTA56
17	-80	-0.5	0.2	PNP	SOT-23	FMBTSB1198
18	-80	-1	0.5	PNP	SOT-89	BCX53

Transistor

Transistor Vce= -65V

NO.	VCEO(V)	IC(A)	PD(W)	Polarity	Package	Part No.
19	-65	-1	0.15	PNP	SOT-323	BC856AW
20	-65	-1	0.15	PNP	SOT-323	BC856BW
21	-65	-0.1	0.2	PNP	SOT-23	BC856
22	-65	-0.1	0.225	PNP	SOT-23	BC856A
23	-65	-0.1	0.225	PNP	SOT-23	BC856B

Transistor Vce= -60V

NO.	VCEO(V)	IC(A)	PD(W)	Polarity	Package	Part No.
24	-60	-5	1.3	PNP	TO-126	F2SB1151-T126
25	-60	-1.5	1.25	PNP	TO-126	BD138-T126
26	-60	-1	0.25	PNP	SOT-23	FMBT591
27	-60	-1	0.5	PNP	SOT-89	FCX591
28	-60	-0.6	0.2	PNP	SOT-323	FMBT2907AW
29	-60	-0.6	0.35	PNP	SOT-23	FMBT2907A
30	-60	-0.6	0.625	PNP	SOT-89	F2N2907AU
31	-60	-1	0.5	PNP	SOT-89	BCX52
32	-60	-2	2	PNP	SOT-89	F2SB1561U

Transistor Vce= -50V

NO.	VCEO(V)	IC(A)	PD(W)	Polarity	Package	Part No.
33	-50	-2	0.3	PNP	SOT-23	F2SA1020
34	-50	-2	0.5	PNP	SOT-89	F2SA1213U
35	-50	-2	0.5	PNP	SOT-89	F2SA1797U
36	-50	-2	0.5	PNP	SOT-89	F2SB1123U
37	-50	-2	0.5	PNP	SOT-89	F2SB1440U
38	-50	-0.2	0.2	PNP	SOT-23	FMBTSA1235
39	-50	-0.15	0.2	PNP	SOT-23	F2SA812Q
40	-50	-0.15	0.2	PNP	SOT-23	F2SA812R
41	-50	-0.15	0.2	PNP	SOT-23	F2SA812S
42	-50	-0.15	0.2	PNP	SOT-23	FMBTSA1015
43	-50	-0.15	0.2	PNP	SOT-23	FMBTSA1037
44	-50	-0.15	0.2	PNP	SOT-23	FMBTSA1162
45	-50	-0.15	0.2	PNP	SOT-23	FMBTSA1504
46	-50	-0.15	0.2	PNP	SOT-23	FMBTSA1576
47	-50	-0.15	0.2	PNP	SOT-23	FMBTSA733
48	-50	-0.15	0.2	PNP	SOT-323	FMBTSA1576W
49	-50	-0.1	0.15	PNP	SOT-323	F2SA1611W
50	-50	-0.1	0.2	PNP	SOT-23	F2SA812
51	-50	-0.1	0.2	PNP	SOT-23	FMBT5087
52	-50	-0.1	0.2	PNP	SOT-23	FMBTSA812
53	-50	-1	0.5	PNP	SOT-89	F2SA1900U
54	-50	-2	0.5	PNP	SOT-89	F2SA1666U

Transistor

Transistor V_{ceo} = -45V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
55	-45	-1.5	1.25	PNP	TO-126	BD136-T126
56	-45	-1	0.15	PNP	SOT-323	BC857AW
57	-45	-1	0.15	PNP	SOT-323	BC857BW
58	-45	-1	0.15	PNP	SOT-323	BC857CW
59	-45	-0.8	0.2	PNP	SOT-23	BCW68
60	-45	-0.5	0.225	PNP	SOT-23	BC807-16
61	-45	-0.5	0.225	PNP	SOT-23	BC807-25
62	-45	-0.5	0.225	PNP	SOT-23	BC807-40
63	-45	-0.5	0.225	PNP	SOT-323	BC807-16W
64	-45	-0.5	0.225	PNP	SOT-323	BC807-25W
65	-45	-0.5	0.225	PNP	SOT-323	BC807-40W
66	-45	-0.5	0.3	PNP	SOT-323	BC807W
67	-45	-0.1	0.2	PNP	SOT-23	BC857
68	-45	-0.1	0.2	PNP	SOT-23	BC860
69	-45	-0.1	0.2	PNP	SOT-23	F2SB709A
70	-45	-0.1	0.2	PNP	SOT-23	F9015
71	-45	-0.1	0.2	PNP	SOT-323	F9015W
72	-45	-0.1	0.225	PNP	SOT-23	BC857A
73	-45	-0.1	0.225	PNP	SOT-23	BC857B
74	-45	-0.1	0.225	PNP	SOT-23	BC857C
75	-45	-1	0.5	PNP	SOT-89	BCX51

Transistor V_{ceo} = -40V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
76	-40	-2	0.3	PNP	SOT-23	FMBSS5240
77	-40	-1	0.2	PNP	SOT-23	FMBT591A
78	-40	-0.6	0.2	PNP	SOT-23	FMBT4403
79	-40	-0.6	0.2	PNP	SOT-323	FMBT4403W
80	-40	-0.6	0.35	PNP	SOT-23	FMBT2907
81	-40	-0.6	0.5	PNP	SOT-89	FMBT4403U
82	-40	-0.6	0.625	PNP	SOT-89	F2N2907U
83	-40	-0.2	0.2	PNP	SOT-323	FMBT3906W
84	-40	-0.2	0.35	PNP	SOT-23	FMBT3906
85	-40	-0.2	0.5	PNP	SOT-89	F2N3906U

Transistor

Transistor Vceo= -32V

NO.	VCEO(V)	IC(A)	PD(W)	Polarity	Package	Part No.
86	-32	-0.8	0.2	PNP	SOT-23	FMBTSB1197
87	-32	-0.5	0.2	PNP	SOT-23	FMBTSA1036
88	-32	-0.5	0.2	PNP	SOT-23	FMBTSA1979
89	-32	-0.5	0.2	PNP	SOT-323	F2SA1577P
90	-32	-0.5	0.2	PNP	SOT-323	F2SA1577Q
91	-32	-0.5	0.2	PNP	SOT-323	F2SA1577R
92	-32	-0.5	0.2	PNP	SOT-323	FMBTSA1577W
93	-32	-0.1	0.2	PNP	SOT-23	BCW30
94	-32	-0.1	0.2	PNP	SOT-23	BCW61
95	-32	-2	0.5	PNP	SOT-89	F2SB1188U

Transistor Vceo= -30V

NO.	VCEO(V)	IC(A)	PD(W)	Polarity	Package	Part No.
96	-30	-1.5	0.5	PNP	SOT-89	F2SA1203U
97	-30	-1	0.15	PNP	SOT-323	BC858AW
98	-30	-1	0.15	PNP	SOT-323	BC858BW
99	-30	-1	0.15	PNP	SOT-323	BC858CW
100	-30	-1	0.2	PNP	SOT-323	F2SB1694W
101	-30	-1	0.31	PNP	SOT-23	FMBT589
102	-30	-0.8	0.2	PNP	SOT-23	FMBTSA1981
103	-30	-0.8	0.5	PNP	SOT-89	F2SA1664U
104	-30	-0.5	0.2	PNP	SOT-23	FMBTSA1182
105	-30	-0.5	0.2	PNP	SOT-23	FMBTSA1505
106	-30	-0.1	0.2	PNP	SOT-23	BC858
107	-30	-0.1	0.2	PNP	SOT-23	BC859
108	-30	-0.1	0.225	PNP	SOT-23	BC858A
109	-30	-0.1	0.225	PNP	SOT-23	BC858B
110	-30	-0.1	0.225	PNP	SOT-23	BC858C
111	-30	-0.1	0.225	PNP	SOT-23	BC859B
112	-30	-0.1	0.225	PNP	SOT-23	BC859C
113	-30	-1.5	1	PNP	SOT-89	F2SA1663U

Transistor

Transistor V_{ceo}= -25V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
114	-25	-2	0.35	PNP	SOT-23	FMBT8550
115	-25	-1.5	0.2	PNP	SOT-323	FMBT8550W
116	-25	-1.5	0.5	PNP	SOT-89	F8550U
117	-25	-1	0.5	PNP	SOT-89	F2SB766U
118	-25	-0.8	0.2	PNP	SOT-23	FMBTSA1298
119	-25	-0.8	0.225	PNP	SOT-23	F8550P
120	-25	-0.8	0.225	PNP	SOT-23	F8550Q
121	-25	-0.8	0.225	PNP	SOT-23	F8550R
122	-25	-0.8	0.225	PNP	SOT-23	F8550S
123	-25	-0.7	0.2	PNP	SOT-23	FMBTSB624
124	-25	-0.7	0.6	PNP	SOT-23	FMBT2SC2001
125	-25	-0.5	0.2	PNP	SOT-23	BC808
126	-25	-0.5	0.3	PNP	SOT-23	F8550
127	-25	-0.5	0.3	PNP	SOT-23	F9012
128	-25	-0.5	0.3	PNP	SOT-323	F8550W
129	-25	-1.5	0.2	PNP	SOT-323	FS8550W
130	-25	-1.5	0.3	PNP	SOT-23	FS8550
131	-25	-1.5	0.625	PNP	SOT-89	S8550

Transistor V_{ceo}= -20V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
132	-20	-2	0.6	PNP	SOT-89	FMPBSS5320U
133	-20	-1	0.5	PNP	SOT-89	BC869U
134	-20	-0.7	0.2	PNP	SOT-23	FMBTSA1365
135	-20	-0.03	0.2	PNP	SOT-23	FMBTSA1256
136	-20	-3	0.5	PNP	SOT-89	F2SB1424U
137	-20	-5	0.5	PNP	SOT-89	F2SB1386U

Transistor V_{ceo}= -15V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
138	-15	-0.7	0.2	PNP	SOT-23	FMBTSB815

Transistor V_{ceo}= -12V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
139	-12	-0.5	0.2	PNP	SOT-23	FMBTSA2018
140	-12	-2	0.2	PNP	SOT-23	FMBTSB1690

Transistor

Transistor V_{ceo}= 11V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
141	11	0.05	0.2	NPN	SOT-23	FMBTSC3838

Transistor V_{ceo}= 12V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
142	12	0.03	0.2	NPN	SOT-23	FMBTSC5065
143	12	0.08	0.2	NPN	SOT-23	FMBTSC5084
144	12	0.1	0.15	NPN	SOT-323	FMBTSC4226W
145	12	0.1	0.2	NPN	SOT-23	FMBTSC3356
146	12	0.1	0.2	NPN	SOT-23	FMBTSC4226
147	12	0.1	0.2	NPN	SOT23-3L	FMBTK2SC3356
148	12	0.1	0.2	NPN	SOT-323	FMBTSC3356W
149	12	0.1	0.2	NPN	SOT-89	FMBTSC3356U
150	12	0.1	1.2	NPN	SOT-89	F2SC3357U
151	12	0.5	0.15	NPN	SOT-523	F2SC5585E

Transistor V_{ceo}= 15V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
152	15	0.05	0.2	NPN	SOT-23	F9018
153	15	0.2	0.2	NPN	SOT-23	FMBT2369
154	15	0.2	0.2	NPN	SOT-23	FMBT2369
155	15	0.2	0.2	NPN	SOT-23	FMBT2369A
156	15	0.2	0.2	NPN	SOT-23	FMBT2369A
157	15	0.5	0.2	NPN	SOT-23	FMBTSC1621
158	15	1	0.2	NPN	SOT-23	FMBTSD123

Transistor

Transistor $V_{ce0} = 20V$

NO.	VCEO(V)	IC(A)	PD(W)	Polarity	Package	Part No.
159	20	0.015	0.125	NPN	SOT-523	FMBTSC4627E
160	20	0.02	0.2	NPN	SOT-23	FMBTSC2223
161	20	0.02	0.2	NPN	SOT-23	FMBTSC5345
162	20	0.025	0.2	NPN	SOT-23	BFS20
163	20	0.03	0.2	NPN	SOT-23	FMBTSC930
164	20	1	0.2	NPN	SOT-23	FMBT28S
165	20	1	0.2	NPN	SOT-23	FMBT28S
166	20	1	0.2	NPN	SOT-23	FMBTM28S
167	20	1	0.5	NPN	SOT-89	BC868U
168	20	3	0.5	NPN	SOT-89	F2SD2150U
169	20	5	0.5	NPN	SOT-89	F2SD2098U
170	20	5	0.75	NPN	SOT-89	F2SD965U
171	20	0.5	0.225	NPN	SOT-23	F9013P
172	20	0.5	0.225	NPN	SOT-23	F9013Q
173	20	0.5	0.225	NPN	SOT-23	F9013R
174	20	0.5	0.225	NPN	SOT-23	F9013S

Transistor**Transistor V_{ceo}= 25V**

NO.	V_{CEO}(V)	I_C(A)	PD(W)	Polarity	Package	Part No.
175	25	0.05	0.2	NPN	SOT-23	FMBTH10
176	25	0.05	0.2	NPN	SOT-23	FMBTSC2413
177	25	0.1	0.2	NPN	SOT-23	FMBT5089
178	25	0.1	0.2	NPN	SOT-23	FMBT5089
179	25	0.1	0.2	NPN	SOT-23	FMBTA10
180	25	0.1	0.2	NPN	SOT-23	FMBTA11
181	25	0.5	0.2	NPN	SOT-23	BC818
182	25	0.5	0.3	NPN	SOT-23	F8050
183	25	0.5	0.3	NPN	SOT-23	F9013
184	25	0.5	0.3	NPN	SOT23-3L	FMBTK8050
185	25	0.5	0.3	NPN	SOT-323	F8050W
186	25	0.5	0.3	NPN	SOT-523	F8050E
187	25	0.5	0.3	NPN	SOT-89	F9013U
188	25	1.2	0.5	NPN	SOT-89	F2SC3650U
189	25	1.5	0.2	NPN	SOT-323	F8050W
190	25	1.5	0.3	NPN	SOT-23	FS8050
191	25	1.5	0.5	NPN	SOT-89	F8050U
192	25	1.5	0.625	NPN	SOT-89	F8050U
193	25	2	0.35	NPN	SOT-23	FMBT8050
194	25	0.8	0.225	NPN	SOT-23	F8050P
195	25	0.8	0.225	NPN	SOT-23	F8050Q
196	25	0.8	0.225	NPN	SOT-23	F8050R
197	25	0.8	0.225	NPN	SOT-23	F8050S

Transistor**Transistor V_{ceo} = 30V**

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
198	30	0.02	0.2	NPN	SOT-23	FMBTSC2714
199	30	0.03	0.2	NPN	SOT-23	FMBT9011
200	30	0.03	0.2	NPN	SOT-23	FMBTSC2787
201	30	0.05	0.2	NPN	SOT-23	FMBTSC1009
202	30	0.05	0.2	NPN	SOT-23	FMBTSC2715
203	30	0.05	0.2	NPN	SOT-23	FMBTSC380
204	30	0.1	0.15	NPN	SOT-523	BC848ATE
205	30	0.1	0.15	NPN	SOT-523	BC848BTE
206	30	0.1	0.15	NPN	SOT-523	BC848CTE
207	30	0.1	0.15	NPN	SOT-523	BC848E
208	30	0.1	0.15	NPN	SOT-523	BC849E
209	30	0.1	0.2	NPN	SOT-323	BC848AW
210	30	0.1	0.2	NPN	SOT-323	BC848BW
211	30	0.1	0.2	NPN	SOT-323	BC848CW
212	30	0.1	0.2	NPN	SOT-323	BC849AW
213	30	0.1	0.2	NPN	SOT-323	BC849BW
214	30	0.1	0.2	NPN	SOT-323	BC849CW
215	30	0.3	0.3	NPN	SOT-23	FMBTA14
216	30	0.5	0.2	NPN	SOT-23	FMBTSC3876
217	30	0.6	0.15	NPN	SOT-523	FMBT2222E
218	30	0.6	0.2	NPN	SOT-23	FMBT2222
219	30	0.8	0.2	NPN	SOT-23	FMBTSC3265
220	30	0.8	0.2	NPN	SOT-23	FMKTC3265
221	30	0.8	0.5	NPN	SOT-89	F2SC2884U
222	30	1	0.2	NPN	SOT-23	FMBTSD471
223	30	1	0.2	NPN	SOT-23	FMPBSS4140
224	30	1.5	0.5	NPN	SOT-89	F2SC2883U
225	30	1.5	0.5	NPN	SOT-89	F2SC4375U
226	30	0.1	0.225	NPN	SOT-23	BC848A
227	30	0.1	0.225	NPN	SOT-23	BC848B
228	30	0.1	0.225	NPN	SOT-23	BC848C
229	30	0.1	0.225	NPN	SOT-23	BC849B
230	30	0.1	0.225	NPN	SOT-23	BC849C

Transistor

Transistor V_{ceo}= 32V

NO.	V _{CEO} (V)	I _C (A)	P _D (W)	Polarity	Package	Part No.
231	32	0.1	0.2	NPN	SOT-23	BCW60
232	32	0.5	0.2	NPN	SOT-23	FMBTSC2411
233	32	0.8	0.2	NPN	SOT-23	FMBTSD1781
234	32	0.5	0.2	NPN	SOT-323	F2SC4097R

Transistor V_{ceo}= 40V

NO.	V _{CEO} (V)	I _C (A)	P _D (W)	Polarity	Package	Part No.
235	40	0.2	0.15	NPN	SOT-523	FMBT3904E
236	40	0.2	0.15	NPN	SOT-523	FMBT3904T
237	40	0.2	0.2	NPN	SOT-323	FMBT3904W
238	40	0.2	0.35	NPN	SOT-23	FMBT3904
239	40	0.2	0.35	NPN	SOT-23	FMBT3904
240	40	0.2	0.35	NPN	SOT23-3L	FMBTK3904
241	40	0.2	0.5	NPN	SOT-89	F2N3904U
242	40	0.6	0.15	NPN	SOT-523	FMBT2222AE
243	40	0.6	0.2	NPN	SOT-23	FMBT2222A
244	40	0.6	0.2	NPN	SOT-23	FMBT4401
245	40	0.6	0.2	NPN	SOT-23	FMBT4401
246	40	0.6	0.2	NPN	SOT-323	FMBT4401W
247	40	0.6	0.5	NPN	SOT-89	FMBT4401U
248	40	0.6	0.625	NPN	SOT-89	F2N2222AU
249	40	1	0.2	NPN	SOT-23	FMBT491A
250	40	1	0.2	NPN	SOT-23	FMBT491A
251	40	2	0.2	NPN	SOT-23	FMPBSS4240
252	40	0.6	0.15	NPN	SOT-323	FMBT2222AW

Transistor**Transistor V_{ceo}= 45V**

NO.	V_{CEO}(V)	I_C(A)	PD(W)	Polarity	Package	Part No.
253	45	0.1	0.15	NPN	SOT-523	BC847ATE
254	45	0.1	0.15	NPN	SOT-523	BC847BTE
255	45	0.1	0.15	NPN	SOT-523	BC847CTE
256	45	0.1	0.15	NPN	SOT-523	BC847E
257	45	0.1	0.15	NPN	SOT-523	BC850ATE
258	45	0.1	0.15	NPN	SOT-523	BC850BTE
259	45	0.1	0.15	NPN	SOT-523	BC850CTE
260	45	0.1	0.15	NPN	SOT-523	BC850E
261	45	0.1	0.2	NPN	SOT-23	F9014
262	45	0.1	0.2	NPN	SOT-323	BC847AW
263	45	0.1	0.2	NPN	SOT-323	BC847BW
264	45	0.1	0.2	NPN	SOT-323	BC847CW
265	45	0.1	0.2	NPN	SOT-323	BC850AW
266	45	0.1	0.2	NPN	SOT-323	BC850BW
267	45	0.1	0.2	NPN	SOT-323	BC850CW
268	45	0.1	0.2	NPN	SOT-323	F9014W
269	45	0.5	0.2	NPN	SOT-323	BC817W
270	45	1	0.5	NPN	SOT-89	BCX54
271	45	0.1	0.225	NPN	SOT-23	BC847A
272	45	0.1	0.225	NPN	SOT-23	BC847B
273	45	0.1	0.225	NPN	SOT-23	BC847C
274	45	0.1	0.225	NPN	SOT-23	BC850B
275	45	0.1	0.225	NPN	SOT-23	BC850C
276	45	0.1	0.225	NPN	SOT-23	F9014Q
277	45	0.1	0.225	NPN	SOT-23	F9014R
278	45	0.1	0.225	NPN	SOT-23	F9014S
279	45	0.5	0.225	NPN	SOT-23	BC817-16
280	45	0.5	0.225	NPN	SOT-23	BC817-25
281	45	0.5	0.225	NPN	SOT-23	BC817-40

Transistor**Transistor V_{ceo}= 50V**

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
282	50	0.1	0.15	NPN	SOT-323	F2SC4177W
283	50	0.1	0.15	NPN	SOT-523	DTC143TE
284	50	0.1	0.2	NPN	SOT-23	F2SC1623
285	50	0.15	0.1	NPN	SOT-23	FMBT4075
286	50	0.15	0.1	NPN	SOT-23	FMBT4075
287	50	0.15	0.15	NPN	SOT-523	F2SC4617E
288	50	0.15	0.15	NPN	SOT-523	FMBTSC1815E
289	50	0.15	0.15	NPN	SOT-523	FMBTSC4075E
290	50	0.15	0.2	NPN	SOT-23	FMBTC1815
291	50	0.15	0.2	NPN	SOT-23	FMBTC945
292	50	0.15	0.2	NPN	SOT-23	FMBTSC2412
293	50	0.15	0.2	NPN	SOT-23	FMBTSC2712
294	50	0.15	0.2	NPN	SOT-23	FMBTSC2785
295	50	0.15	0.2	NPN	SOT-23	FMBTSC3199
296	50	0.15	0.2	NPN	SOT-23	FMBTSC3875
297	50	0.15	0.2	NPN	SOT-23	FMBTSC5343
298	50	0.15	0.2	NPN	SOT-323	FMBTSC4081W
299	50	0.15	0.5	NPN	SOT-23	F2SC3198
300	50	0.2	0.2	NPN	SOT-23	FMBTSC3928
301	50	1	0.35	NPN	SOT-23	FMBT1616
302	50	1	0.5	NPN	SOT-89	F2SD1616U
303	50	1	1	NPN	SOT-89	F2SD1368U
304	50	1	1	NPN	SOT-89	F2SD874U
305	50	1	2	NPN	SOT-89	F2SD1615U
306	50	2	0.35	NPN	SOT-23	F2SC2655
307	50	2	0.5	NPN	SOT-89	F2SC2655U
308	50	2	0.5	NPN	SOT-89	F2SC2873U
309	50	2	0.5	NPN	SOT-89	F2SC4379U
310	50	2	1.3	NPN	SOT-89	F2SD1623U
311	50	3	1	NPN	SOT-89	F2SC4541U
312	50	3	2	NPN	SOT-89	F2SC4672U
313	50	0.15	0.15	NPN	SOT-323	F2SC4081Q
314	50	0.15	0.15	NPN	SOT-323	F2SC4081R
315	50	0.15	0.15	NPN	SOT-323	F2SC4081S
316	50	0.15	0.2	NPN	SOT-23	F2SC2412KQ
317	50	0.15	0.2	NPN	SOT-23	F2SC2412KR
318	50	0.15	0.2	NPN	SOT-23	F2SC2412KS

Transistor

Transistor V_{ceo}= 60V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
319	60	0.5	0.3	NPN	SOT-23	FMBTA05
320	60	1	0.5	NPN	SOT-89	BCX55
321	60	1	0.5	NPN	SOT-89	F2SD1616AU
322	60	1	1	NPN	SOT-89	F2SC4378U
323	60	2	0.5	NPN	SOT-23	F2SD2391
324	60	2	0.5	NPN	SOT-89	F2SD2391U
325	60	2	0.5	NPN	SOT-89	F2SD2391U

Transistor V_{ceo}= 65V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
326	65	0.1	0.15	NPN	SOT-523	BC846ATE
327	65	0.1	0.15	NPN	SOT-523	BC846BTE
328	65	0.1	0.15	NPN	SOT-523	BC846CTE
329	65	0.1	0.15	NPN	SOT-523	BC846E
330	65	0.1	0.2	NPN	SOT-323	BC846AW
331	65	0.1	0.2	NPN	SOT-323	BC846BW
332	65	0.1	0.2	NPN	SOT-323	BC846CW
333	65	0.1	0.225	NPN	SOT-23	BC846A
334	65	0.1	0.225	NPN	SOT-23	BC846B

Transistor V_{ceo}= 80V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
335	80	0.4	0.5	NPN	SOT-89	F2SC4374U
336	80	0.5	0.35	NPN	SOT-23	FMBTA06
337	80	1	0.5	NPN	SOT-89	BCX56
338	80	1	0.5	NPN	SOT-89	F2SD1005U
339	80	1	0.5	NPN	SOT-89	F2SD1898U

Transistor V_{ceo}= 100V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
340	100	0.7	2	NPN	SOT-89	F2SD1006U

Transistor V_{ceo}= 120V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
341	120	0.1	0.2	NPN	SOT-23	FMBTSC3324
342	120	0.7	2	NPN	SOT-89	F2SD1007U
343	120	0.8	0.5	NPN	SOT-89	F2SC2881U

Transistor

Transistor V_{ceo}= 150V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
344	150	1	0.2	NPN	SOT-23	FMBT495
345	150	1	0.2	NPN	SOT-23	FMBT495
346	150	1	1	NPN	SOT-89	FCX495

Transistor V_{ceo}= 160V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
347	160	0.6	0.2	NPN	SOT-23	FMBT5551
348	160	0.6	0.2	NPN	SOT-23	FMBT5551
349	160	0.6	0.2	NPN	SOT-323	FMBT5551W
350	160	0.6	0.5	NPN	SOT-89	F2N5551U
351	160	1	0.5	NPN	SOT-89	F2SC2383U

Transistor V_{ceo}= 200V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
352	200	0.5	0.35	NPN	SOT-23	FMBTA43

Transistor V_{ceo}= 300V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
353	300	0.3	0.35	NPN	SOT-23	FMBTA42

Transistor V_{ceo}= 400V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
354	400	0.2	0.5	NPN	SOT-89	F2SC4548U
355	400	0.2	0.6	NPN	SOT-89	F13002U
356	400	0.3	0.2	NPN	SOT-23	FMBTA44
357	400	0.3	0.625	NPN	SOT-89	FMPSA44U

Transistor V_{ceo}= 420V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
358	420	0.15	0.3	NPN	SOT-23	FMBT13001

Transistor V_{ceo}= 430V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
359	430	1.5	0.8	NPN	SOT-89	F13003U

Transistor V_{ceo}= 450V

NO.	V _{CEO} (V)	I _C (A)	PD(W)	Polarity	Package	Part No.
360	450	0.3	0.75	NPN	SOT-89	F13001U

Transistor

Transistor IC(A) = -5A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
1	-5	-60	1.3	PNP	TO-126	F2SB1151-T126
2	-5	-20	0.5	PNP	SOT-89	F2SB1386U

Transistor IC(A) = -3A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
3	-3	-20	0.5	PNP	SOT-89	F2SB1424U

Transistor IC(A) = -2A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
4	-2	-100	0.5	PNP	SOT-89	F2SA1417U
5	-2	-60	2	PNP	SOT-89	F2SB1561U
6	-2	-50	0.3	PNP	SOT-23	F2SA1020
7	-2	-50	0.5	PNP	SOT-89	F2SA1213U
8	-2	-50	0.5	PNP	SOT-89	F2SA1666U
9	-2	-50	0.5	PNP	SOT-89	F2SA1797U
10	-2	-50	0.5	PNP	SOT-89	F2SB1123U
11	-2	-50	0.5	PNP	SOT-89	F2SB1440U
12	-2	-40	0.3	PNP	SOT-23	FMBSS5240
13	-2	-32	0.5	PNP	SOT-89	F2SB1188U
14	-2	-25	0.35	PNP	SOT-23	FMBT8550
15	-2	-20	0.6	PNP	SOT-89	FMPBSS5320U
16	-2	-12	0.2	PNP	SOT-23	FMBTSB1690

Transistor IC(A) = -1.5A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
17	-1.5	-120	1	PNP	SOT-89	F2SB1027U
18	-1.5	-60	1.25	PNP	TO-126	BD138-T126
19	-1.5	-45	1.25	PNP	TO-126	BD136-T126
20	-1.5	-30	0.5	PNP	SOT-89	F2SA1203U
21	-1.5	-30	1	PNP	SOT-89	F2SA1663U
22	-1.5	-25	0.2	PNP	SOT-323	FMBT8550W
23	-1.5	-25	0.2	PNP	SOT-323	FS8550W
24	-1.5	-25	0.3	PNP	SOT-23	FS8550
25	-1.5	-25	0.5	PNP	SOT-89	F8550U
26	-1.5	-25	0.625	PNP	SOT-89	S8550

Transistor

Transistor IC(A) = -1A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
27	-1	-160	0.5	PNP	SOT-89	F2SA1013U
28	-1	-80	0.5	PNP	SOT-89	BCX53
29	-1	-80	0.5	PNP	SOT-89	F2SB1260U
30	-1	-65	0.15	PNP	SOT-323	BC856AW
31	-1	-65	0.15	PNP	SOT-323	BC856BW
32	-1	-60	0.25	PNP	SOT-23	FMBT591
33	-1	-60	0.5	PNP	SOT-89	BCX52
34	-1	-60	0.5	PNP	SOT-89	FCX591
35	-1	-50	0.5	PNP	SOT-89	F2SA1900U
36	-1	-45	0.15	PNP	SOT-323	BC857AW
37	-1	-45	0.15	PNP	SOT-323	BC857BW
38	-1	-45	0.15	PNP	SOT-323	BC857CW
39	-1	-45	0.5	PNP	SOT-89	BCX51
40	-1	-40	0.2	PNP	SOT-23	FMBT591A
41	-1	-30	0.15	PNP	SOT-323	BC858AW
42	-1	-30	0.15	PNP	SOT-323	BC858BW
43	-1	-30	0.15	PNP	SOT-323	BC858CW
44	-1	-30	0.2	PNP	SOT-323	F2SB1694W
45	-1	-30	0.31	PNP	SOT-23	FMBT589
46	-1	-25	0.5	PNP	SOT-89	F2SB766U
47	-1	-20	0.5	PNP	SOT-89	BC869U

Transistor IC(A) = -0.8A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
48	-0.8	-120	0.5	PNP	SOT-89	F2SA1201U
49	-0.8	-120	0.5	PNP	SOT-89	F2SA1661U
50	-0.8	-45	0.2	PNP	SOT-23	BCW68
51	-0.8	-32	0.2	PNP	SOT-23	FMBTSB1197
52	-0.8	-30	0.2	PNP	SOT-23	FMBTSA1981
53	-0.8	-30	0.5	PNP	SOT-89	F2SA1664U
54	-0.8	-25	0.2	PNP	SOT-23	FMBTSA1298
55	-0.8	-25	0.225	PNP	SOT-23	F8550P
56	-0.8	-25	0.225	PNP	SOT-23	F8550Q
57	-0.8	-25	0.225	PNP	SOT-23	F8550R
58	-0.8	-25	0.225	PNP	SOT-23	F8550S

Transistor

Transistor IC(A)= -0.7A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
59	-0.7	-25	0.2	PNP	SOT-23	FMBTSB624
60	-0.7	-25	0.6	PNP	SOT-23	FMBT2SC2001
61	-0.7	-20	0.2	PNP	SOT-23	FMBTSA1365
62	-0.7	-15	0.2	PNP	SOT-23	FMBTSB815

Transistor IC(A)= -0.6A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
63	-0.6	-150	0.2	PNP	SOT-23	FMBT5401
64	-0.6	-150	0.2	PNP	SOT-323	FMBT5401W
65	-0.6	-120	0.2	PNP	SOT-23	FMBT5400
66	-0.6	-60	0.2	PNP	SOT-323	FMBT2907AW
67	-0.6	-60	0.35	PNP	SOT-23	FMBT2907A
68	-0.6	-60	0.625	PNP	SOT-89	F2N2907AU
69	-0.6	-40	0.2	PNP	SOT-23	FMBT4403
70	-0.6	-40	0.2	PNP	SOT-323	FMBT4403W
71	-0.6	-40	0.35	PNP	SOT-23	FMBT2907
72	-0.6	-40	0.5	PNP	SOT-89	FMBT4403U
73	-0.6	-40	0.625	PNP	SOT-89	F2N2907U

Transistor

Transistor IC(A) = -0.5A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
74	-0.5	-200	0.35	PNP	SOT-23	FMBTA93
75	-0.5	-150	0.5	PNP	SOT-89	F2N5401U
76	-0.5	-80	0.2	PNP	SOT-23	FMBTA56
77	-0.5	-80	0.2	PNP	SOT-23	FMBT5B1198
78	-0.5	-45	0.225	PNP	SOT-23	BC807-16
79	-0.5	-45	0.225	PNP	SOT-23	BC807-25
80	-0.5	-45	0.225	PNP	SOT-23	BC807-40
81	-0.5	-45	0.225	PNP	SOT-323	BC807-16W
82	-0.5	-45	0.225	PNP	SOT-323	BC807-25W
83	-0.5	-45	0.225	PNP	SOT-323	BC807-40W
84	-0.5	-45	0.3	PNP	SOT-323	BC807W
85	-0.5	-32	0.2	PNP	SOT-23	FMBTSA1036
86	-0.5	-32	0.2	PNP	SOT-23	FMBTSA1979
87	-0.5	-32	0.2	PNP	SOT-323	FMBTSA1577W
	-0.5	-32	0.2	PNP	SOT-323	F2SA1577P
	-0.5	-32	0.2	PNP	SOT-323	F2SA1577Q
	-0.5	-32	0.2	PNP	SOT-323	F2SA1577R
88	-0.5	-30	0.2	PNP	SOT-23	FMBTSA1182
89	-0.5	-30	0.2	PNP	SOT-23	FMBTSA1505
90	-0.5	-25	0.2	PNP	SOT-23	BC808
91	-0.5	-25	0.3	PNP	SOT-23	F8550
92	-0.5	-25	0.3	PNP	SOT-23	F9012
93	-0.5	-25	0.3	PNP	SOT-323	F8550W
94	-0.5	-12	0.2	PNP	SOT-23	FMBTSA2018

Transistor IC(A) = -0.3A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
95	-0.3	-400	0.2	PNP	SOT-23	FMBTA94
96	-0.3	-400	0.625	PNP	SOT-89	MPSA94U
97	-0.3	-300	0.35	PNP	SOT-23	FMBTA92

Transistor IC(A) = -0.2A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
98	-0.2	-300	0.5	PNP	SOT-23	FMPSA92
99	-0.2	-50	0.2	PNP	SOT-23	FMBTSA1235
100	-0.2	-40	0.2	PNP	SOT-323	FMBT3906W
101	-0.2	-40	0.35	PNP	SOT-23	FMBT3906
102	-0.2	-40	0.5	PNP	SOT-89	F2N3906U

Transistor

Transistor IC(A)= -0.15A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
103	-0.15	-50	0.2	PNP	SOT-23	F2SA812Q
104	-0.15	-50	0.2	PNP	SOT-23	F2SA812R
105	-0.15	-50	0.2	PNP	SOT-23	F2SA812S
106	-0.15	-50	0.2	PNP	SOT-23	FMBTSA1015
107	-0.15	-50	0.2	PNP	SOT-23	FMBTSA1037
108	-0.15	-50	0.2	PNP	SOT-23	FMBTSA1162
109	-0.15	-50	0.2	PNP	SOT-23	FMBTSA1504
110	-0.15	-50	0.2	PNP	SOT-23	FMBTSA1576
111	-0.15	-50	0.2	PNP	SOT-23	FMBTSA733
112	-0.15	-50	0.2	PNP	SOT-323	FMBTSA1576W

Transistor IC(A)= -0.1A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
113	-0.1	-65	0.2	PNP	SOT-23	BC856
114	-0.1	-65	0.225	PNP	SOT-23	BC856A
115	-0.1	-65	0.225	PNP	SOT-23	BC856B
116	-0.1	-50	0.15	PNP	SOT-323	F2SA1611W
117	-0.1	-50	0.2	PNP	SOT-23	F2SA812
118	-0.1	-50	0.2	PNP	SOT-23	FMBT5087
119	-0.1	-50	0.2	PNP	SOT-23	FMBTSA812
120	-0.1	-45	0.2	PNP	SOT-23	BC857
121	-0.1	-45	0.2	PNP	SOT-23	BC860
122	-0.1	-45	0.2	PNP	SOT-23	F2SB709A
123	-0.1	-45	0.2	PNP	SOT-23	F9015
124	-0.1	-45	0.2	PNP	SOT-323	F9015W
125	-0.1	-45	0.225	PNP	SOT-23	BC857A
126	-0.1	-45	0.225	PNP	SOT-23	BC857B
127	-0.1	-45	0.225	PNP	SOT-23	BC857C
128	-0.1	-32	0.2	PNP	SOT-23	BCW30
129	-0.1	-32	0.2	PNP	SOT-23	BCW61
130	-0.1	-30	0.2	PNP	SOT-23	BC858
131	-0.1	-30	0.2	PNP	SOT-23	BC859
132	-0.1	-30	0.225	PNP	SOT-23	BC858A
133	-0.1	-30	0.225	PNP	SOT-23	BC858B
134	-0.1	-30	0.225	PNP	SOT-23	BC858C
135	-0.1	-30	0.225	PNP	SOT-23	BC859B
136	-0.1	-30	0.225	PNP	SOT-23	BC859C

Transistor IC(A)= -0.03A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
137	-0.03	-20	0.2	PNP	SOT-23	FMBTSA1256

Transistor

Transistor IC(A) = 0.015A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
138	0.015	20	0.125	NPN	SOT-523	FMBTSC4627E

Transistor IC(A) = 0.02A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
139	0.02	20	0.2	NPN	SOT-23	FMBTSC2223
140	0.02	20	0.2	NPN	SOT-23	FMBTSC5345
141	0.02	30	0.2	NPN	SOT-23	FMBTSC2714

Transistor IC(A) = 0.025A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
142	0.025	20	0.2	NPN	SOT-23	BFS20

Transistor IC(A) = 0.03A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
143	0.03	12	0.2	NPN	SOT-23	FMBTSC5065
144	0.03	20	0.2	NPN	SOT-23	FMBTSC930
145	0.03	30	0.2	NPN	SOT-23	FMBT9011
146	0.03	30	0.2	NPN	SOT-23	FMBTSC2787

Transistor IC(A) = 0.05A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
147	0.05	11	0.2	NPN	SOT-23	FMBTSC3838
148	0.05	15	0.2	NPN	SOT-23	F9018
149	0.05	25	0.2	NPN	SOT-23	FMBTH10
150	0.05	25	0.2	NPN	SOT-23	FMBTSC2413
151	0.05	30	0.2	NPN	SOT-23	FMBTSC1009
152	0.05	30	0.2	NPN	SOT-23	FMBTSC2715
153	0.05	30	0.2	NPN	SOT-23	FMBTSC380

Transistor IC(A) = 0.08A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
154	0.08	12	0.2	NPN	SOT-23	FMBTSC5084

Transistor

Transistor IC(A) = 0.1A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
155	0.1	12	0.15	NPN	SOT-323	FMBTSC4226W
156	0.1	12	0.2	NPN	SOT-23	FMBTSC3356
157	0.1	12	0.2	NPN	SOT-23	FMBTSC4226
158	0.1	12	0.2	NPN	SOT23-3L	FMBTK2SC3356
159	0.1	12	0.2	NPN	SOT-323	FMBTSC3356W
160	0.1	12	0.2	NPN	SOT-89	FMBTSC3356U
161	0.1	12	1.2	NPN	SOT-89	F2SC3357U
162	0.1	25	0.2	NPN	SOT-23	FMBT5089
163	0.1	25	0.2	NPN	SOT-23	FMBT5089
164	0.1	25	0.2	NPN	SOT-23	FMBTA10
165	0.1	25	0.2	NPN	SOT-23	FMBTA11
166	0.1	30	0.15	NPN	SOT-523	BC848ATE
167	0.1	30	0.15	NPN	SOT-523	BC848BTE
168	0.1	30	0.15	NPN	SOT-523	BC848CTE
169	0.1	30	0.15	NPN	SOT-523	BC848E
170	0.1	30	0.15	NPN	SOT-523	BC849E
171	0.1	30	0.2	NPN	SOT-323	BC848AW
172	0.1	30	0.2	NPN	SOT-323	BC848BW
173	0.1	30	0.2	NPN	SOT-323	BC848CW
174	0.1	30	0.2	NPN	SOT-323	BC849AW
175	0.1	30	0.2	NPN	SOT-323	BC849BW
176	0.1	30	0.2	NPN	SOT-323	BC849CW
177	0.1	30	0.225	NPN	SOT-23	BC848A
178	0.1	30	0.225	NPN	SOT-23	BC848B
179	0.1	30	0.225	NPN	SOT-23	BC848C
180	0.1	30	0.225	NPN	SOT-23	BC849B
181	0.1	30	0.225	NPN	SOT-23	BC849C
182	0.1	32	0.2	NPN	SOT-23	BCW60
183	0.1	45	0.15	NPN	SOT-523	BC847ATE
184	0.1	45	0.15	NPN	SOT-523	BC847BTE
185	0.1	45	0.15	NPN	SOT-523	BC847CTE
186	0.1	45	0.15	NPN	SOT-523	BC847E
187	0.1	45	0.15	NPN	SOT-523	BC850ATE
188	0.1	45	0.15	NPN	SOT-523	BC850BTE
189	0.1	45	0.15	NPN	SOT-523	BC850CTE
190	0.1	45	0.15	NPN	SOT-523	BC850E
191	0.1	45	0.2	NPN	SOT-23	F9014
192	0.1	45	0.2	NPN	SOT-323	BC847AW
193	0.1	45	0.2	NPN	SOT-323	BC847BW

Transistor

Continue...Transistor IC(A) = 0.1A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
194	0.1	45	0.2	NPN	SOT-323	BC847CW
195	0.1	45	0.2	NPN	SOT-323	BC850AW
196	0.1	45	0.2	NPN	SOT-323	BC850BW
197	0.1	45	0.2	NPN	SOT-323	BC850CW
198	0.1	45	0.2	NPN	SOT-323	F9014W
199	0.1	45	0.225	NPN	SOT-23	BC847A
200	0.1	45	0.225	NPN	SOT-23	BC847B
201	0.1	45	0.225	NPN	SOT-23	BC847C
202	0.1	45	0.225	NPN	SOT-23	BC850B
203	0.1	45	0.225	NPN	SOT-23	BC850C
204	0.1	45	0.225	NPN	SOT-23	F9014Q
205	0.1	45	0.225	NPN	SOT-23	F9014R
206	0.1	45	0.225	NPN	SOT-23	F9014S
207	0.1	50	0.15	NPN	SOT-323	F2SC4177W
208	0.1	50	0.15	NPN	SOT-523	DTC143TE
209	0.1	50	0.2	NPN	SOT-23	F2SC1623
210	0.1	65	0.15	NPN	SOT-523	BC846ATE
211	0.1	65	0.15	NPN	SOT-523	BC846BTE
212	0.1	65	0.15	NPN	SOT-523	BC846CTE
213	0.1	65	0.15	NPN	SOT-523	BC846E
214	0.1	65	0.2	NPN	SOT-323	BC846AW
215	0.1	65	0.2	NPN	SOT-323	BC846BW
216	0.1	65	0.2	NPN	SOT-323	BC846CW
217	0.1	65	0.225	NPN	SOT-23	BC846A
218	0.1	65	0.225	NPN	SOT-23	BC846B
219	0.1	120	0.2	NPN	SOT-23	FMBTSC3324

Transistor

Transistor IC(A) = 0.15A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
220	0.15	50	0.1	NPN	SOT-23	FMBT4075
221	0.15	50	0.1	NPN	SOT-23	FMBT4075
222	0.15	50	0.15	NPN	SOT-323	F2SC4081Q
223	0.15	50	0.15	NPN	SOT-323	F2SC4081R
224	0.15	50	0.15	NPN	SOT-323	F2SC4081S
225	0.15	50	0.15	NPN	SOT-523	F2SC4617E
226	0.15	50	0.15	NPN	SOT-523	FMBTSC1815E
227	0.15	50	0.15	NPN	SOT-523	FMBTSC4075E
228	0.15	50	0.2	NPN	SOT-23	F2SC2412KQ
229	0.15	50	0.2	NPN	SOT-23	F2SC2412KR
230	0.15	50	0.2	NPN	SOT-23	F2SC2412KS
231	0.15	50	0.2	NPN	SOT-23	FMBTC1815
232	0.15	50	0.2	NPN	SOT-23	FMBTC945
233	0.15	50	0.2	NPN	SOT-23	FMBTSC2412
234	0.15	50	0.2	NPN	SOT-23	FMBTSC2712
235	0.15	50	0.2	NPN	SOT-23	FMBTSC2785
236	0.15	50	0.2	NPN	SOT-23	FMBTSC3199
237	0.15	50	0.2	NPN	SOT-23	FMBTSC3875
238	0.15	50	0.2	NPN	SOT-23	FMBTSC5343
239	0.15	50	0.2	NPN	SOT-323	FMBTSC4081W
240	0.15	50	0.5	NPN	SOT-23	F2SC3198
241	0.15	420	0.3	NPN	SOT-23	FMBT13001

Transistor IC(A) = 0.2A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
242	0.2	15	0.2	NPN	SOT-23	FMBT2369
243	0.2	15	0.2	NPN	SOT-23	FMBT2369
244	0.2	15	0.2	NPN	SOT-23	FMBT2369A
245	0.2	15	0.2	NPN	SOT-23	FMBT2369A
246	0.2	40	0.15	NPN	SOT-523	FMBT3904E
247	0.2	40	0.15	NPN	SOT-523	FMBT3904T
248	0.2	40	0.2	NPN	SOT-323	FMBT3904W
249	0.2	40	0.35	NPN	SOT-23	FMBT3904
250	0.2	40	0.35	NPN	SOT-23	FMBT3904
251	0.2	40	0.35	NPN	SOT23-3L	FMBTK3904
252	0.2	40	0.5	NPN	SOT-89	F2N3904U
253	0.2	50	0.2	NPN	SOT-23	FMBTSC3928
254	0.2	400	0.5	NPN	SOT-89	F2SC4548U
255	0.2	400	0.6	NPN	SOT-89	F13002U

Transistor

Transistor IC(A) = 0.3A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
256	0.3	30	0.3	NPN	SOT-23	FMBTA14
257	0.3	300	0.35	NPN	SOT-23	FMBTA42
258	0.3	400	0.2	NPN	SOT-23	FMBTA44
259	0.3	400	0.625	NPN	SOT-89	FMPSA44U
260	0.3	450	0.75	NPN	SOT-89	F13001U

Transistor IC(A) = 0.4A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
261	0.4	80	0.5	NPN	SOT-89	F2SC4374U

Transistor IC(A) = 0.5A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
262	0.5	12	0.15	NPN	SOT-523	F2SC5585E
263	0.5	15	0.2	NPN	SOT-23	FMBTSC1621
264	0.5	20	0.225	NPN	SOT-23	F9013P
265	0.5	20	0.225	NPN	SOT-23	F9013Q
266	0.5	20	0.225	NPN	SOT-23	F9013R
267	0.5	20	0.225	NPN	SOT-23	F9013S
268	0.5	25	0.2	NPN	SOT-23	BC818
269	0.5	25	0.3	NPN	SOT-23	F8050
270	0.5	25	0.3	NPN	SOT-23	F9013
271	0.5	25	0.3	NPN	SOT23-3L	FMBTK8050
272	0.5	25	0.3	NPN	SOT-323	F8050W
273	0.5	25	0.3	NPN	SOT-523	F8050E
274	0.5	25	0.3	NPN	SOT-89	F9013U
275	0.5	30	0.2	NPN	SOT-23	FMBTSC3876
276	0.5	32	0.2	NPN	SOT-23	FMBTSC2411
277	0.5	32	0.2	NPN	SOT-323	F2SC4097R
278	0.5	45	0.2	NPN	SOT-323	BC817W
279	0.5	45	0.225	NPN	SOT-23	BC817-16
280	0.5	45	0.225	NPN	SOT-23	BC817-25
281	0.5	45	0.225	NPN	SOT-23	BC817-40
282	0.5	60	0.3	NPN	SOT-23	FMBTA05
283	0.5	80	0.35	NPN	SOT-23	FMBTA06
284	0.5	200	0.35	NPN	SOT-23	FMBTA43

Transistor

Transistor IC(A) = 0.6A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
285	0.6	30	0.15	NPN	SOT-523	FMBT2222E
286	0.6	30	0.2	NPN	SOT-23	FMBT2222
287	0.6	40	0.15	NPN	SOT-323	FMBT2222AW
288	0.6	40	0.15	NPN	SOT-523	FMBT2222AE
289	0.6	40	0.2	NPN	SOT-23	FMBT2222A
290	0.6	40	0.2	NPN	SOT-23	FMBT4401
291	0.6	40	0.2	NPN	SOT-23	FMBT4401
292	0.6	40	0.2	NPN	SOT-323	FMBT4401W
293	0.6	40	0.5	NPN	SOT-89	FMBT4401U
294	0.6	40	0.625	NPN	SOT-89	F2N2222AU
295	0.6	160	0.2	NPN	SOT-23	FMBT5551
296	0.6	160	0.2	NPN	SOT-23	FMBT5551
297	0.6	160	0.2	NPN	SOT-323	FMBT5551W
298	0.6	160	0.5	NPN	SOT-89	F2N5551U

Transistor IC(A) = 0.7A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
299	0.7	100	2	NPN	SOT-89	F2SD1006U
300	0.7	120	2	NPN	SOT-89	F2SD1007U

Transistor IC(A) = 0.8A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
301	0.8	25	0.225	NPN	SOT-23	F8050P
302	0.8	25	0.225	NPN	SOT-23	F8050Q
303	0.8	25	0.225	NPN	SOT-23	F8050R
304	0.8	25	0.225	NPN	SOT-23	F8050S
305	0.8	30	0.2	NPN	SOT-23	FMBTSC3265
306	0.8	30	0.2	NPN	SOT-23	FMKTC3265
307	0.8	30	0.5	NPN	SOT-89	F2SC2884U
308	0.8	32	0.2	NPN	SOT-23	FMBTSD1781
309	0.8	120	0.5	NPN	SOT-89	F2SC2881U

Transistor

Transistor IC(A)= 1A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
310	1	15	0.2	NPN	SOT-23	FMBTSD123
311	1	20	0.2	NPN	SOT-23	FMBT28S
312	1	20	0.2	NPN	SOT-23	FMBT28S
313	1	20	0.2	NPN	SOT-23	FMBTM28S
314	1	20	0.5	NPN	SOT-89	BC868U
315	1	30	0.2	NPN	SOT-23	FMBTSD471
316	1	30	0.2	NPN	SOT-23	FMPBSS4140
317	1	40	0.2	NPN	SOT-23	FMBT491A
318	1	40	0.2	NPN	SOT-23	FMBT491A
319	1	45	0.5	NPN	SOT-89	BCX54
320	1	50	0.35	NPN	SOT-23	FMBT1616
321	1	50	0.5	NPN	SOT-89	F2SD1616U
322	1	50	1	NPN	SOT-89	F2SD1368U
323	1	50	1	NPN	SOT-89	F2SD874U
324	1	50	2	NPN	SOT-89	F2SD1615U
325	1	60	0.5	NPN	SOT-89	BCX55
326	1	60	0.5	NPN	SOT-89	F2SD1616AU
327	1	60	1	NPN	SOT-89	F2SC4378U
328	1	80	0.5	NPN	SOT-89	BCX56
329	1	80	0.5	NPN	SOT-89	F2SD1005U
330	1	80	0.5	NPN	SOT-89	F2SD1898U
331	1	150	0.2	NPN	SOT-23	FMBT495
332	1	150	0.2	NPN	SOT-23	FMBT495
333	1	150	1	NPN	SOT-89	FCX495
334	1	160	0.5	NPN	SOT-89	F2SC2383U

Transistor IC(A)= 1.2A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
335	1.2	25	0.5	NPN	SOT-89	F2SC3650U

Transistor IC(A)= 1.5A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
336	1.5	25	0.2	NPN	SOT-323	F8050W
337	1.5	25	0.3	NPN	SOT-23	FS8050
338	1.5	25	0.5	NPN	SOT-89	F8050U
339	1.5	25	0.625	NPN	SOT-89	F8050U
340	1.5	30	0.5	NPN	SOT-89	F2SC2883U
341	1.5	30	0.5	NPN	SOT-89	F2SC4375U
342	1.5	430	0.8	NPN	SOT-89	F13003U

Transistor

Transistor IC(A)= 2A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
343	2	25	0.35	NPN	SOT-23	FMBT8050
344	2	40	0.2	NPN	SOT-23	FMPBSS4240
345	2	50	0.35	NPN	SOT-23	F2SC2655
346	2	50	0.5	NPN	SOT-89	F2SC2655U
347	2	50	0.5	NPN	SOT-89	F2SC2873U
348	2	50	0.5	NPN	SOT-89	F2SC4379U
349	2	50	1.3	NPN	SOT-89	F2SD1623U
350	2	60	0.5	NPN	SOT-23	F2SD2391
351	2	60	0.5	NPN	SOT-89	F2SD2391U
352	2	60	0.5	NPN	SOT-89	F2SD2391U

Transistor IC(A)= 3A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
353	3	20	0.5	NPN	SOT-89	F2SD2150U
354	3	50	1	NPN	SOT-89	F2SC4541U
355	3	50	2	NPN	SOT-89	F2SC4672U

Transistor IC(A)= 5A

NO.	IC(A)	VCEO(V)	PD(W)	Polarity	Package	Part No.
356	5	20	0.5	NPN	SOT-89	F2SD2098U
357	5	20	0.75	NPN	SOT-89	F2SD965U

Transistor

Transistor PD(W)= 0.1W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
1	0.1	50	0.15	NPN	SOT-23	FMBT4075
2	0.1	50	0.15	NPN	SOT-23	FMBT4075

Transistor PD(W)= 0.125W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
3	0.125	20	0.015	NPN	SOT-523	FMBTSC4627E

Transistor PD(W)= 0.15W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
4	0.15	-65	-1	PNP	SOT-323	BC856AW
5	0.15	-65	-1	PNP	SOT-323	BC856BW
6	0.15	-50	-0.1	PNP	SOT-323	F2SA1611W
7	0.15	-45	-1	PNP	SOT-323	BC857AW
8	0.15	-45	-1	PNP	SOT-323	BC857BW
9	0.15	-45	-1	PNP	SOT-323	BC857CW
10	0.15	-30	-1	PNP	SOT-323	BC858AW
11	0.15	-30	-1	PNP	SOT-323	BC858BW
12	0.15	-30	-1	PNP	SOT-323	BC858CW
13	0.15	12	0.1	NPN	SOT-323	FMBTSC4226W
14	0.15	12	0.5	NPN	SOT-523	F2SC5585E
15	0.15	30	0.1	NPN	SOT-523	BC848ATE
16	0.15	30	0.1	NPN	SOT-523	BC848BTE
17	0.15	30	0.1	NPN	SOT-523	BC848CTE
18	0.15	30	0.1	NPN	SOT-523	BC848E
19	0.15	30	0.1	NPN	SOT-523	BC849E
20	0.15	30	0.6	NPN	SOT-523	FMBT2222E
21	0.15	40	0.2	NPN	SOT-523	FMBT3904E
22	0.15	40	0.2	NPN	SOT-523	FMBT3904T
23	0.15	40	0.6	NPN	SOT-323	FMBT2222AW
24	0.15	40	0.6	NPN	SOT-523	FMBT2222AE
25	0.15	45	0.1	NPN	SOT-523	BC847ATE
26	0.15	45	0.1	NPN	SOT-523	BC847BTE
27	0.15	45	0.1	NPN	SOT-523	BC847CTE
28	0.15	45	0.1	NPN	SOT-523	BC847E
29	0.15	45	0.1	NPN	SOT-523	BC850ATE
30	0.15	45	0.1	NPN	SOT-523	BC850BTE
31	0.15	45	0.1	NPN	SOT-523	BC850CTE
32	0.15	45	0.1	NPN	SOT-523	BC850E
33	0.15	50	0.1	NPN	SOT-323	F2SC4177W
34	0.15	50	0.1	NPN	SOT-523	DTC143TE

Transistor

Transistor PD(W)= 0.2W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
45	0.2	-400	-0.3	PNP	SOT-23	FMBTA94
46	0.2	-150	-0.6	PNP	SOT-23	FMBT5401
47	0.2	-150	-0.6	PNP	SOT-323	FMBT5401W
48	0.2	-120	-0.6	PNP	SOT-23	FMBT5400
49	0.2	-80	-0.5	PNP	SOT-23	FMBTA56
50	0.2	-80	-0.5	PNP	SOT-23	FMBTSB1198
51	0.2	-65	-0.1	PNP	SOT-23	BC856
52	0.2	-60	-0.6	PNP	SOT-323	FMBT2907AW
53	0.2	-50	-0.2	PNP	SOT-23	FMBTSA1235
54	0.2	-50	-0.15	PNP	SOT-23	F2SA812Q
55	0.2	-50	-0.15	PNP	SOT-23	F2SA812R
56	0.2	-50	-0.15	PNP	SOT-23	F2SA812S
57	0.2	-50	-0.15	PNP	SOT-23	FMBTSA1015
58	0.2	-50	-0.15	PNP	SOT-23	FMBTSA1037
59	0.2	-50	-0.15	PNP	SOT-23	FMBTSA1162
60	0.2	-50	-0.15	PNP	SOT-23	FMBTSA1504
61	0.2	-50	-0.15	PNP	SOT-23	FMBTSA1576
62	0.2	-50	-0.15	PNP	SOT-23	FMBTSA733
63	0.2	-50	-0.15	PNP	SOT-323	FMBTSA1576W
64	0.2	-50	-0.1	PNP	SOT-23	F2SA812
65	0.2	-50	-0.1	PNP	SOT-23	FMBT5087
66	0.2	-50	-0.1	PNP	SOT-23	FMBTSA812
67	0.2	-45	-0.8	PNP	SOT-23	BCW68
68	0.2	-45	-0.1	PNP	SOT-23	BC857
69	0.2	-45	-0.1	PNP	SOT-23	BC860
70	0.2	-45	-0.1	PNP	SOT-23	F2SB709A
71	0.2	-45	-0.1	PNP	SOT-23	F9015
72	0.2	-45	-0.1	PNP	SOT-323	F9015W
73	0.2	-40	-1	PNP	SOT-23	FMBT591A
74	0.2	-40	-0.6	PNP	SOT-23	FMBT4403
75	0.2	-40	-0.6	PNP	SOT-323	FMBT4403W
76	0.2	-40	-0.2	PNP	SOT-323	FMBT3906W
77	0.2	-32	-0.8	PNP	SOT-23	FMBTSB1197
78	0.2	-32	-0.5	PNP	SOT-23	FMBTSA1036
79	0.2	-32	-0.5	PNP	SOT-23	FMBTSA1979
80	0.2	-32	-0.5	PNP	SOT-323	FMBTSA1577W
81	0.2	-32	-0.1	PNP	SOT-23	BCW30
82	0.2	-32	-0.1	PNP	SOT-23	BCW61
83	0.2	-32	-0.5	PNP	SOT-323	F2SA1577P

Transistor

Continue...Transistor PD(W)= 0.2W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
84	0.2	-32	-0.5	PNP	SOT-323	F2SA1577Q
85	0.2	-32	-0.5	PNP	SOT-323	F2SA1577R
86	0.2	-30	-1	PNP	SOT-323	F2SB1694W
87	0.2	-30	-0.8	PNP	SOT-23	FMBTSA1981
88	0.2	-30	-0.5	PNP	SOT-23	FMBTSA1182
89	0.2	-30	-0.5	PNP	SOT-23	FMBTSA1505
90	0.2	-30	-0.1	PNP	SOT-23	BC858
91	0.2	-30	-0.1	PNP	SOT-23	BC859
92	0.2	-25	-1.5	PNP	SOT-323	FMBT8550W
93	0.2	-25	-1.5	PNP	SOT-323	FS8550W
94	0.2	-25	-0.8	PNP	SOT-23	FMBTSA1298
95	0.2	-25	-0.7	PNP	SOT-23	FMBTSB624
96	0.2	-25	-0.5	PNP	SOT-23	BC808
97	0.2	-20	-0.7	PNP	SOT-23	FMBTSA1365
98	0.2	-20	-0.03	PNP	SOT-23	FMBTSA1256
99	0.2	-15	-0.7	PNP	SOT-23	FMBTSB815
100	0.2	-12	-2	PNP	SOT-23	FMBTSB1690
101	0.2	-12	-0.5	PNP	SOT-23	FMBTSA2018
102	0.2	11	0.05	NPN	SOT-23	FMBTSC3838
103	0.2	12	0.03	NPN	SOT-23	FMBTSC5065
104	0.2	12	0.08	NPN	SOT-23	FMBTSC5084
105	0.2	12	0.1	NPN	SOT-23	FMBTSC3356
106	0.2	12	0.1	NPN	SOT-23	FMBTSC4226
107	0.2	12	0.1	NPN	SOT23-3L	FMBTK2SC3356
108	0.2	12	0.1	NPN	SOT-323	FMBTSC3356W
109	0.2	12	0.1	NPN	SOT-89	FMBTSC3356U
110	0.2	15	0.05	NPN	SOT-23	F9018
111	0.2	15	0.2	NPN	SOT-23	FMBT2369
112	0.2	15	0.2	NPN	SOT-23	FMBT2369
113	0.2	15	0.2	NPN	SOT-23	FMBT2369A
114	0.2	15	0.2	NPN	SOT-23	FMBT2369A
115	0.2	15	0.5	NPN	SOT-23	FMBTSC1621
116	0.2	15	1	NPN	SOT-23	FMBTSD123
117	0.2	20	0.02	NPN	SOT-23	FMBTSC2223
118	0.2	20	0.02	NPN	SOT-23	FMBTSC5345
119	0.2	20	0.025	NPN	SOT-23	BFS20
120	0.2	20	0.03	NPN	SOT-23	FMBTSC930
121	0.2	20	1	NPN	SOT-23	FMBT28S
122	0.2	20	1	NPN	SOT-23	FMBT28S

Transistor

Continue...Transistor PD(W)= 0.2W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
123	0.2	20	1	NPN	SOT-23	FMBTM28S
124	0.2	25	0.05	NPN	SOT-23	FMBTH10
125	0.2	25	0.05	NPN	SOT-23	FMBTSC2413
126	0.2	25	0.1	NPN	SOT-23	FMBT5089
127	0.2	25	0.1	NPN	SOT-23	FMBT5089
128	0.2	25	0.1	NPN	SOT-23	FMBTA10
129	0.2	25	0.1	NPN	SOT-23	FMBTA11
130	0.2	25	0.5	NPN	SOT-23	BC818
131	0.2	25	1.5	NPN	SOT-323	F8050W
132	0.2	30	0.02	NPN	SOT-23	FMBTSC2714
133	0.2	30	0.03	NPN	SOT-23	FMBT9011
134	0.2	30	0.03	NPN	SOT-23	FMBTSC2787
135	0.2	30	0.05	NPN	SOT-23	FMBTSC1009
136	0.2	30	0.05	NPN	SOT-23	FMBTSC2715
137	0.2	30	0.05	NPN	SOT-23	FMBTSC380
138	0.2	30	0.1	NPN	SOT-323	BC848AW
139	0.2	30	0.1	NPN	SOT-323	BC848BW
140	0.2	30	0.1	NPN	SOT-323	BC848CW
141	0.2	30	0.1	NPN	SOT-323	BC849AW
142	0.2	30	0.1	NPN	SOT-323	BC849BW
143	0.2	30	0.1	NPN	SOT-323	BC849CW
144	0.2	30	0.5	NPN	SOT-23	FMBTSC3876
145	0.2	30	0.6	NPN	SOT-23	FMBT2222
146	0.2	30	0.8	NPN	SOT-23	FMBTSC3265
147	0.2	30	0.8	NPN	SOT-23	FMKTC3265
148	0.2	30	1	NPN	SOT-23	FMBTSD471
149	0.2	30	1	NPN	SOT-23	FMPBSS4140
150	0.2	32	0.1	NPN	SOT-23	BCW60
151	0.2	32	0.5	NPN	SOT-23	FMBTSC2411
152	0.2	32	0.5	NPN	SOT-323	F2SC4097R
153	0.2	32	0.8	NPN	SOT-23	FMBTSD1781
154	0.2	40	0.2	NPN	SOT-323	FMBT3904W
155	0.2	40	0.6	NPN	SOT-23	FMBT2222A
156	0.2	40	0.6	NPN	SOT-23	FMBT4401
157	0.2	40	0.6	NPN	SOT-23	FMBT4401
158	0.2	40	0.6	NPN	SOT-323	FMBT4401W
159	0.2	40	1	NPN	SOT-23	FMBT491A
160	0.2	40	1	NPN	SOT-23	FMBT491A
161	0.2	40	2	NPN	SOT-23	FMPBSS4240

Transistor

Continue...Transistor PD(W)= 0.2W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
162	0.2	45	0.1	NPN	SOT-23	F9014
163	0.2	45	0.1	NPN	SOT-323	BC847AW
164	0.2	45	0.1	NPN	SOT-323	BC847BW
165	0.2	45	0.1	NPN	SOT-323	BC847CW
166	0.2	45	0.1	NPN	SOT-323	BC850AW
167	0.2	45	0.1	NPN	SOT-323	BC850BW
168	0.2	45	0.1	NPN	SOT-323	BC850CW
169	0.2	45	0.1	NPN	SOT-323	F9014W
170	0.2	45	0.5	NPN	SOT-323	BC817W
171	0.2	50	0.1	NPN	SOT-23	F2SC1623
172	0.2	50	0.15	NPN	SOT-23	F2SC2412KQ
173	0.2	50	0.15	NPN	SOT-23	F2SC2412KR
174	0.2	50	0.15	NPN	SOT-23	F2SC2412KS
175	0.2	50	0.15	NPN	SOT-23	FMBTC1815
176	0.2	50	0.15	NPN	SOT-23	FMBTC945
177	0.2	50	0.15	NPN	SOT-23	FMBTSC2412
178	0.2	50	0.15	NPN	SOT-23	FMBTSC2712
179	0.2	50	0.15	NPN	SOT-23	FMBTSC2785
180	0.2	50	0.15	NPN	SOT-23	FMBTSC3199
181	0.2	50	0.15	NPN	SOT-23	FMBTSC3875
182	0.2	50	0.15	NPN	SOT-23	FMBTSC5343
183	0.2	50	0.15	NPN	SOT-323	FMBTSC4081W
184	0.2	50	0.2	NPN	SOT-23	FMBTSC3928
185	0.2	65	0.1	NPN	SOT-323	BC846AW
186	0.2	65	0.1	NPN	SOT-323	BC846BW
187	0.2	65	0.1	NPN	SOT-323	BC846CW
188	0.2	120	0.1	NPN	SOT-23	FMBTSC3324
189	0.2	150	1	NPN	SOT-23	FMBT495
190	0.2	150	1	NPN	SOT-23	FMBT495
191	0.2	160	0.6	NPN	SOT-23	FMBT5551
192	0.2	160	0.6	NPN	SOT-23	FMBT5551
193	0.2	160	0.6	NPN	SOT-323	FMBT5551W
194	0.2	400	0.3	NPN	SOT-23	FMBTA44

Transistor

Transistor PD(W)= 0.225W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
195	0.225	-65	-0.1	PNP	SOT-23	BC856A
196	0.225	-65	-0.1	PNP	SOT-23	BC856B
197	0.225	-45	-0.5	PNP	SOT-23	BC807-16
198	0.225	-45	-0.5	PNP	SOT-23	BC807-25
199	0.225	-45	-0.5	PNP	SOT-23	BC807-40
200	0.225	-45	-0.5	PNP	SOT-323	BC807-16W
201	0.225	-45	-0.5	PNP	SOT-323	BC807-25W
202	0.225	-45	-0.5	PNP	SOT-323	BC807-40W
203	0.225	-45	-0.1	PNP	SOT-23	BC857A
204	0.225	-45	-0.1	PNP	SOT-23	BC857B
205	0.225	-45	-0.1	PNP	SOT-23	BC857C
206	0.225	-30	-0.1	PNP	SOT-23	BC858A
207	0.225	-30	-0.1	PNP	SOT-23	BC858B
208	0.225	-30	-0.1	PNP	SOT-23	BC858C
209	0.225	-30	-0.1	PNP	SOT-23	BC859B
210	0.225	-30	-0.1	PNP	SOT-23	BC859C
211	0.225	-25	-0.8	PNP	SOT-23	F8550P
212	0.225	-25	-0.8	PNP	SOT-23	F8550Q
213	0.225	-25	-0.8	PNP	SOT-23	F8550R
214	0.225	-25	-0.8	PNP	SOT-23	F8550S
215	0.225	20	0.5	NPN	SOT-23	F9013P
216	0.225	20	0.5	NPN	SOT-23	F9013Q
217	0.225	20	0.5	NPN	SOT-23	F9013R
218	0.225	20	0.5	NPN	SOT-23	F9013S
219	0.225	25	0.8	NPN	SOT-23	F8050P
220	0.225	25	0.8	NPN	SOT-23	F8050Q
221	0.225	25	0.8	NPN	SOT-23	F8050R
222	0.225	25	0.8	NPN	SOT-23	F8050S
223	0.225	30	0.1	NPN	SOT-23	BC848A
224	0.225	30	0.1	NPN	SOT-23	BC848B
225	0.225	30	0.1	NPN	SOT-23	BC848C
226	0.225	30	0.1	NPN	SOT-23	BC849B
227	0.225	30	0.1	NPN	SOT-23	BC849C
228	0.225	45	0.1	NPN	SOT-23	BC847A
229	0.225	45	0.1	NPN	SOT-23	BC847B
230	0.225	45	0.1	NPN	SOT-23	BC847C
231	0.225	45	0.1	NPN	SOT-23	BC850B
232	0.225	45	0.1	NPN	SOT-23	BC850C
233	0.225	45	0.1	NPN	SOT-23	F9014Q

Transistor

Continue...Transistor PD(W)= 0.225W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
234	0.225	45	0.1	NPN	SOT-23	F9014R
235	0.225	45	0.1	NPN	SOT-23	F9014S
236	0.225	45	0.5	NPN	SOT-23	BC817-16
237	0.225	45	0.5	NPN	SOT-23	BC817-25
238	0.225	45	0.5	NPN	SOT-23	BC817-40
239	0.225	65	0.1	NPN	SOT-23	BC846A
240	0.225	65	0.1	NPN	SOT-23	BC846B
241	0.225	-60	-1	PNP	SOT-23	FMBT591

Transistor PD(W)= 0.3W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
242	0.3	-50	-2	PNP	SOT-23	F2SA1020
243	0.3	-45	-0.5	PNP	SOT-323	BC807W
244	0.3	-40	-2	PNP	SOT-23	FMBSS5240
245	0.3	-25	-1.5	PNP	SOT-23	FS8550
246	0.3	-25	-0.5	PNP	SOT-23	F8550
247	0.3	-25	-0.5	PNP	SOT-23	F9012
248	0.3	-25	-0.5	PNP	SOT-323	F8550W
249	0.3	25	0.5	NPN	SOT-23	F8050
250	0.3	25	0.5	NPN	SOT-23	F9013
251	0.3	25	0.5	NPN	SOT23-3L	FMBTK8050
252	0.3	25	0.5	NPN	SOT-323	F8050W
253	0.3	25	0.5	NPN	SOT-523	F8050E
254	0.3	25	0.5	NPN	SOT-89	F9013U
255	0.3	25	1.5	NPN	SOT-23	FS8050
256	0.3	30	0.3	NPN	SOT-23	FMBTA14
257	0.3	60	0.5	NPN	SOT-23	FMBTA05
258	0.3	420	0.15	NPN	SOT-23	FMBT13001
259	0.3	-30	-1	PNP	SOT-23	FMBT589

Transistor

Transistor PD(W) = 0.35W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
260	0.35	-300	-0.3	PNP	SOT-23	FMBTA92
261	0.35	-200	-0.5	PNP	SOT-23	FMBTA93
262	0.35	-60	-0.6	PNP	SOT-23	FMBT2907A
263	0.35	-40	-0.6	PNP	SOT-23	FMBT2907
264	0.35	-40	-0.2	PNP	SOT-23	FMBT3906
265	0.35	-25	-2	PNP	SOT-23	FMBT8550
266	0.35	25	2	NPN	SOT-23	FMBT8050
267	0.35	40	0.2	NPN	SOT-23	FMBT3904
268	0.35	40	0.2	NPN	SOT-23	FMBT3904
269	0.35	40	0.2	NPN	SOT23-3L	FMBTK3904
270	0.35	50	1	NPN	SOT-23	FMBT1616
271	0.35	50	2	NPN	SOT-23	F2SC2655
272	0.35	80	0.5	NPN	SOT-23	FMBTA06
273	0.35	200	0.5	NPN	SOT-23	FMBTA43
274	0.35	300	0.3	NPN	SOT-23	FMBTA42

Transistor

Transistor PD(W)= 0.5W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
275	0.5	-300	-0.2	PNP	SOT-23	FMPSA92
276	0.5	-160	-1	PNP	SOT-89	F2SA1013U
277	0.5	-150	-0.5	PNP	SOT-89	F2N5401U
278	0.5	-120	-0.8	PNP	SOT-89	F2SA1201U
279	0.5	-120	-0.8	PNP	SOT-89	F2SA1661U
280	0.5	-100	-2	PNP	SOT-89	F2SA1417U
281	0.5	-80	-1	PNP	SOT-89	BCX53
282	0.5	-80	-1	PNP	SOT-89	F2SB1260U
283	0.5	-60	-1	PNP	SOT-89	BCX52
284	0.5	-60	-1	PNP	SOT-89	FCX591
285	0.5	-50	-2	PNP	SOT-89	F2SA1213U
286	0.5	-50	-2	PNP	SOT-89	F2SA1666U
287	0.5	-50	-2	PNP	SOT-89	F2SA1797U
288	0.5	-50	-2	PNP	SOT-89	F2SB1123U
289	0.5	-50	-2	PNP	SOT-89	F2SB1440U
290	0.5	-50	-1	PNP	SOT-89	F2SA1900U
291	0.5	-45	-1	PNP	SOT-89	BCX51
292	0.5	-40	-0.6	PNP	SOT-89	FMBT4403U
293	0.5	-40	-0.2	PNP	SOT-89	F2N3906U
294	0.5	-32	-2	PNP	SOT-89	F2SB1188U
295	0.5	-30	-1.5	PNP	SOT-89	F2SA1203U
296	0.5	-30	-0.8	PNP	SOT-89	F2SA1664U
297	0.5	-25	-1.5	PNP	SOT-89	F8550U
298	0.5	-25	-1	PNP	SOT-89	F2SB766U
299	0.5	-20	-5	PNP	SOT-89	F2SB1386U
300	0.5	-20	-3	PNP	SOT-89	F2SB1424U
301	0.5	-20	-1	PNP	SOT-89	BC869U
302	0.5	20	1	NPN	SOT-89	BC868U
303	0.5	20	3	NPN	SOT-89	F2SD2150U
304	0.5	20	5	NPN	SOT-89	F2SD2098U
305	0.5	25	1.2	NPN	SOT-89	F2SC3650U
306	0.5	25	1.5	NPN	SOT-89	F8050U
307	0.5	30	0.8	NPN	SOT-89	F2SC2884U
308	0.5	30	1.5	NPN	SOT-89	F2SC2883U
309	0.5	30	1.5	NPN	SOT-89	F2SC4375U
310	0.5	40	0.2	NPN	SOT-89	F2N3904U
311	0.5	40	0.6	NPN	SOT-89	FMBT4401U
312	0.5	45	1	NPN	SOT-89	BCX54
313	0.5	50	0.15	NPN	SOT-23	F2SC3198

Transistor

Continue...Transistor PD(W)= 0.5W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
314	0.5	50	1	NPN	SOT-89	F2SD1616U
315	0.5	50	2	NPN	SOT-89	F2SC2655U
316	0.5	50	2	NPN	SOT-89	F2SC2873U
317	0.5	50	2	NPN	SOT-89	F2SC4379U
318	0.5	60	1	NPN	SOT-89	BCX55
319	0.5	60	1	NPN	SOT-89	F2SD1616AU
320	0.5	60	2	NPN	SOT-23	F2SD2391
321	0.5	60	2	NPN	SOT-89	F2SD2391U
322	0.5	60	2	NPN	SOT-89	F2SD2391U
323	0.5	80	0.4	NPN	SOT-89	F2SC4374U
324	0.5	80	1	NPN	SOT-89	BCX56
325	0.5	80	1	NPN	SOT-89	F2SD1005U
326	0.5	80	1	NPN	SOT-89	F2SD1898U
327	0.5	120	0.8	NPN	SOT-89	F2SC2881U
328	0.5	160	0.6	NPN	SOT-89	F2N5551U
329	0.5	160	1	NPN	SOT-89	F2SC2383U
330	0.5	400	0.2	NPN	SOT-89	F2SC4548U

Transistor PD(W)= 0.6W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
331	0.6	-25	-0.7	PNP	SOT-23	FMBT2SC2001
332	0.6	-20	-2	PNP	SOT-89	FMPBSS5320U
333	0.6	400	0.2	NPN	SOT-89	F13002U

Transistor PD(W)= 0.625W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
334	0.625	-400	-0.3	PNP	SOT-89	MPSA94U
335	0.625	-60	-0.6	PNP	SOT-89	F2N2907AU
336	0.625	-40	-0.6	PNP	SOT-89	F2N2907U
337	0.625	-25	-1.5	PNP	SOT-89	S8550
338	0.625	25	1.5	NPN	SOT-89	F8050U
339	0.625	40	0.6	NPN	SOT-89	F2N2222AU
340	0.625	400	0.3	NPN	SOT-89	FMPSA44U

Transistor PD(W)= 0.75W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
341	0.75	20	5	NPN	SOT-89	F2SD965U
342	0.75	450	0.3	NPN	SOT-89	F13001U

Transistor PD(W)= 0.8W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
343	0.8	430	1.5	NPN	SOT-89	F13003U

Transistor

Transistor PD(W)= 1W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
344	1	-120	-1.5	PNP	SOT-89	F2SB1027U
345	1	-30	-1.5	PNP	SOT-89	F2SA1663U
346	1	50	1	NPN	SOT-89	F2SD1368U
347	1	50	1	NPN	SOT-89	F2SD874U
348	1	50	3	NPN	SOT-89	F2SC4541U
349	1	60	1	NPN	SOT-89	F2SC4378U
350	1	150	1	NPN	SOT-89	FCX495

Transistor PD(W)= 1.2W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
351	1.2	12	0.1	NPN	SOT-89	F2SC3357U

Transistor PD(W)= 1.25W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
352	1.25	-60	-1.5	PNP	TO-126	BD138-T126
353	1.25	-45	-1.5	PNP	TO-126	BD136-T126

Transistor PD(W)= 1.3W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
354	1.3	-60	-5	PNP	TO-126	F2SB1151-T126
355	1.3	50	2	NPN	SOT-89	F2SD1623U

Transistor PD(W)= 2W

NO.	PD(W)	VCEO(V)	IC(A)	Polarity	Package	Part No.
356	2	-60	-2	PNP	SOT-89	F2SB1561U
357	2	50	1	NPN	SOT-89	F2SD1615U
358	2	50	3	NPN	SOT-89	F2SC4672U
359	2	100	0.7	NPN	SOT-89	F2SD1006U
360	2	120	0.7	NPN	SOT-89	F2SD1007U

Transistor

Transistor Package= SOT-23

NO.	Package	VCEO(V)	IC(A)	PD(W)	Polarity	Part No.
1	SOT-23	-400	-0.3	0.2	PNP	FMBTA94
2	SOT-23	-300	-0.3	0.35	PNP	FMBTA92
3	SOT-23	-300	-0.2	0.5	PNP	FMPSA92
4	SOT-23	-200	-0.5	0.35	PNP	FMBTA93
5	SOT-23	-150	-0.6	0.2	PNP	FMBT5401
6	SOT-23	-120	-0.6	0.2	PNP	FMBT5400
7	SOT-23	-80	-0.5	0.2	PNP	FMBTA56
8	SOT-23	-80	-0.5	0.2	PNP	FMBTSB1198
9	SOT-23	-65	-0.1	0.2	PNP	BC856
10	SOT-23	-65	-0.1	0.225	PNP	BC856A
11	SOT-23	-65	-0.1	0.225	PNP	BC856B
12	SOT-23	-60	-1	0.25	PNP	FMBT591
13	SOT-23	-60	-0.6	0.35	PNP	FMBT2907A
14	SOT-23	-50	-2	0.3	PNP	F2SA1020
15	SOT-23	-50	-0.2	0.2	PNP	FMBTSA1235
16	SOT-23	-50	-0.15	0.2	PNP	F2SA812Q
17	SOT-23	-50	-0.15	0.2	PNP	F2SA812R
18	SOT-23	-50	-0.15	0.2	PNP	F2SA812S
19	SOT-23	-50	-0.15	0.2	PNP	FMBTSA1015
20	SOT-23	-50	-0.15	0.2	PNP	FMBTSA1037
21	SOT-23	-50	-0.15	0.2	PNP	FMBTSA1162
22	SOT-23	-50	-0.15	0.2	PNP	FMBTSA1504
23	SOT-23	-50	-0.15	0.2	PNP	FMBTSA1576
24	SOT-23	-50	-0.15	0.2	PNP	FMBTSA733
25	SOT-23	-50	-0.1	0.2	PNP	F2SA812
26	SOT-23	-50	-0.1	0.2	PNP	FMBT5087
27	SOT-23	-50	-0.1	0.2	PNP	FMBTSA812
28	SOT-23	-45	-0.8	0.2	PNP	BCW68
29	SOT-23	-45	-0.5	0.225	PNP	BC807-16
30	SOT-23	-45	-0.5	0.225	PNP	BC807-25
31	SOT-23	-45	-0.5	0.225	PNP	BC807-40
32	SOT-23	-45	-0.1	0.2	PNP	BC857
33	SOT-23	-45	-0.1	0.2	PNP	BC860
34	SOT-23	-45	-0.1	0.2	PNP	F2SB709A
35	SOT-23	-45	-0.1	0.2	PNP	F9015
36	SOT-23	-45	-0.1	0.225	PNP	BC857A
37	SOT-23	-45	-0.1	0.225	PNP	BC857B
38	SOT-23	-45	-0.1	0.225	PNP	BC857C
39	SOT-23	-40	-2	0.3	PNP	FMBSS5240

Transistor

Continue...Transistor Package= SOT-23

NO.	Package	VCEO(V)	IC(A)	PD(W)	Polarity	Part No.
40	SOT-23	-40	-1	0.2	PNP	FMBT591A
41	SOT-23	-40	-0.6	0.2	PNP	FMBT4403
42	SOT-23	-40	-0.6	0.35	PNP	FMBT2907
43	SOT-23	-40	-0.2	0.35	PNP	FMBT3906
44	SOT-23	-32	-0.8	0.2	PNP	FMBTSB1197
45	SOT-23	-32	-0.5	0.2	PNP	FMBTSA1036
46	SOT-23	-32	-0.5	0.2	PNP	FMBTSA1979
47	SOT-23	-32	-0.1	0.2	PNP	BCW30
48	SOT-23	-32	-0.1	0.2	PNP	BCW61
49	SOT-23	-30	-1	0.31	PNP	FMBT589
50	SOT-23	-30	-0.8	0.2	PNP	FMBTSA1981
51	SOT-23	-30	-0.5	0.2	PNP	FMBTSA1182
52	SOT-23	-30	-0.5	0.2	PNP	FMBTSA1505
53	SOT-23	-30	-0.1	0.2	PNP	BC858
54	SOT-23	-30	-0.1	0.2	PNP	BC859
55	SOT-23	-30	-0.1	0.225	PNP	BC858A
56	SOT-23	-30	-0.1	0.225	PNP	BC858B
57	SOT-23	-30	-0.1	0.225	PNP	BC858C
58	SOT-23	-30	-0.1	0.225	PNP	BC859B
59	SOT-23	-30	-0.1	0.225	PNP	BC859C
60	SOT-23	-25	-2	0.35	PNP	FMBT8550
61	SOT-23	-25	-1.5	0.3	PNP	FS8550
62	SOT-23	-25	-0.8	0.2	PNP	FMBTSA1298
63	SOT-23	-25	-0.8	0.225	PNP	F8550P
64	SOT-23	-25	-0.8	0.225	PNP	F8550Q
65	SOT-23	-25	-0.8	0.225	PNP	F8550R
66	SOT-23	-25	-0.8	0.225	PNP	F8550S
67	SOT-23	-25	-0.7	0.2	PNP	FMBTSB624
68	SOT-23	-25	-0.7	0.6	PNP	FMBT2SC2001
69	SOT-23	-25	-0.5	0.2	PNP	BC808
70	SOT-23	-25	-0.5	0.3	PNP	F8550
71	SOT-23	-25	-0.5	0.3	PNP	F9012
72	SOT-23	-20	-0.7	0.2	PNP	FMBTSA1365
73	SOT-23	-20	-0.03	0.2	PNP	FMBTSA1256
74	SOT-23	-15	-0.7	0.2	PNP	FMBTSB815
75	SOT-23	-12	-2	0.2	PNP	FMBTSB1690
76	SOT-23	-12	-0.5	0.2	PNP	FMBTSA2018
77	SOT-23	11	0.05	0.2	NPN	FMBTSC3838
78	SOT-23	12	0.03	0.2	NPN	FMBTSC5065

Transistor

Continue...Transistor Package= SOT-23

NO.	Package	VCEO(V)	IC(A)	PD(W)	Polarity	Part No.
79	SOT-23	12	0.08	0.2	NPN	FMBTSC5084
80	SOT-23	12	0.1	0.2	NPN	FMBTSC3356
81	SOT-23	12	0.1	0.2	NPN	FMBTSC4226
82	SOT-23	15	0.05	0.2	NPN	F9018
83	SOT-23	15	0.2	0.2	NPN	FMBT2369
84	SOT-23	15	0.2	0.2	NPN	FMBT2369
85	SOT-23	15	0.2	0.2	NPN	FMBT2369A
86	SOT-23	15	0.2	0.2	NPN	FMBT2369A
87	SOT-23	15	0.5	0.2	NPN	FMBTSC1621
88	SOT-23	15	1	0.2	NPN	FMBTSD123
89	SOT-23	20	0.02	0.2	NPN	FMBTSC2223
90	SOT-23	20	0.02	0.2	NPN	FMBTSC5345
91	SOT-23	20	0.025	0.2	NPN	BFS20
92	SOT-23	20	0.03	0.2	NPN	FMBTSC930
93	SOT-23	20	0.5	0.225	NPN	F9013P
94	SOT-23	20	0.5	0.225	NPN	F9013Q
95	SOT-23	20	0.5	0.225	NPN	F9013R
96	SOT-23	20	0.5	0.225	NPN	F9013S
97	SOT-23	20	1	0.2	NPN	FMBT28S
98	SOT-23	20	1	0.2	NPN	FMBT28S
99	SOT-23	20	1	0.2	NPN	FMBTM28S
100	SOT-23	25	0.05	0.2	NPN	FMBTH10
101	SOT-23	25	0.05	0.2	NPN	FMBTSC2413
102	SOT-23	25	0.1	0.2	NPN	FMBT5089
103	SOT-23	25	0.1	0.2	NPN	FMBT5089
104	SOT-23	25	0.1	0.2	NPN	FMBTA10
105	SOT-23	25	0.1	0.2	NPN	FMBTA11
106	SOT-23	25	0.5	0.2	NPN	BC818
107	SOT-23	25	0.5	0.3	NPN	F8050
108	SOT-23	25	0.5	0.3	NPN	F9013
109	SOT-23	25	0.8	0.225	NPN	F8050P
110	SOT-23	25	0.8	0.225	NPN	F8050Q
111	SOT-23	25	0.8	0.225	NPN	F8050R
112	SOT-23	25	0.8	0.225	NPN	F8050S
113	SOT-23	25	1.5	0.3	NPN	FS8050
114	SOT-23	25	2	0.35	NPN	FMBT8050
115	SOT-23	30	0.02	0.2	NPN	FMBTSC2714
116	SOT-23	30	0.03	0.2	NPN	FMBT9011
117	SOT-23	30	0.03	0.2	NPN	FMBTSC2787

Transistor

Continue...Transistor Package= SOT-23

NO.	Package	VCEO(V)	IC(A)	PD(W)	Polarity	Part No.
118	SOT-23	30	0.05	0.2	NPN	FMBTSC1009
119	SOT-23	30	0.05	0.2	NPN	FMBTSC2715
120	SOT-23	30	0.05	0.2	NPN	FMBTSC380
121	SOT-23	30	0.1	0.225	NPN	BC848A
122	SOT-23	30	0.1	0.225	NPN	BC848B
123	SOT-23	30	0.1	0.225	NPN	BC848C
124	SOT-23	30	0.1	0.225	NPN	BC849B
125	SOT-23	30	0.1	0.225	NPN	BC849C
126	SOT-23	30	0.3	0.3	NPN	FMBTA14
127	SOT-23	30	0.5	0.2	NPN	FMBTSC3876
128	SOT-23	30	0.6	0.2	NPN	FMBT2222
129	SOT-23	30	0.8	0.2	NPN	FMBTSC3265
130	SOT-23	30	0.8	0.2	NPN	FMKTC3265
131	SOT-23	30	1	0.2	NPN	FMBTSD471
132	SOT-23	30	1	0.2	NPN	FMPBSS4140
133	SOT-23	32	0.1	0.2	NPN	BCW60
134	SOT-23	32	0.5	0.2	NPN	FMBTSC2411
135	SOT-23	32	0.8	0.2	NPN	FMBTSD1781
136	SOT-23	40	0.2	0.35	NPN	FMBT3904
137	SOT-23	40	0.2	0.35	NPN	FMBT3904
138	SOT-23	40	0.6	0.2	NPN	FMBT2222A
139	SOT-23	40	0.6	0.2	NPN	FMBT4401
140	SOT-23	40	0.6	0.2	NPN	FMBT4401
141	SOT-23	40	1	0.2	NPN	FMBT491A
142	SOT-23	40	1	0.2	NPN	FMBT491A
143	SOT-23	40	2	0.2	NPN	FMPBSS4240
144	SOT-23	45	0.1	0.2	NPN	F9014
145	SOT-23	45	0.1	0.225	NPN	BC847A
146	SOT-23	45	0.1	0.225	NPN	BC847B
147	SOT-23	45	0.1	0.225	NPN	BC847C
148	SOT-23	45	0.1	0.225	NPN	BC850B
149	SOT-23	45	0.1	0.225	NPN	BC850C
150	SOT-23	45	0.1	0.225	NPN	F9014Q
151	SOT-23	45	0.1	0.225	NPN	F9014R
152	SOT-23	45	0.1	0.225	NPN	F9014S
153	SOT-23	45	0.5	0.225	NPN	BC817-16
154	SOT-23	45	0.5	0.225	NPN	BC817-25
155	SOT-23	45	0.5	0.225	NPN	BC817-40
156	SOT-23	50	0.1	0.2	NPN	F2SC1623

Transistor

Continue...Transistor Package= SOT-23

NO.	Package	VCEO(V)	IC(A)	PD(W)	Polarity	Part No.
157	SOT-23	50	0.15	0.1	NPN	FMBT4075
158	SOT-23	50	0.15	0.1	NPN	FMBT4075
159	SOT-23	50	0.15	0.2	NPN	F2SC2412KQ
160	SOT-23	50	0.15	0.2	NPN	F2SC2412KR
161	SOT-23	50	0.15	0.2	NPN	F2SC2412KS
162	SOT-23	50	0.15	0.2	NPN	FMBTC1815
163	SOT-23	50	0.15	0.2	NPN	FMBTC945
164	SOT-23	50	0.15	0.2	NPN	FMBTSC2412
165	SOT-23	50	0.15	0.2	NPN	FMBTSC2712
166	SOT-23	50	0.15	0.2	NPN	FMBTSC2785
167	SOT-23	50	0.15	0.2	NPN	FMBTSC3199
168	SOT-23	50	0.15	0.2	NPN	FMBTSC3875
169	SOT-23	50	0.15	0.2	NPN	FMBTSC5343
170	SOT-23	50	0.15	0.5	NPN	F2SC3198
171	SOT-23	50	0.2	0.2	NPN	FMBTSC3928
172	SOT-23	50	1	0.35	NPN	FMBT1616
173	SOT-23	50	2	0.35	NPN	F2SC2655
174	SOT-23	60	0.5	0.3	NPN	FMBTA05
175	SOT-23	60	2	0.5	NPN	F2SD2391
176	SOT-23	65	0.1	0.225	NPN	BC846A
177	SOT-23	65	0.1	0.225	NPN	BC846B
178	SOT-23	80	0.5	0.35	NPN	FMBTA06
179	SOT-23	120	0.1	0.2	NPN	FMBTSC3324
180	SOT-23	150	1	0.2	NPN	FMBT495
181	SOT-23	150	1	0.2	NPN	FMBT495
182	SOT-23	160	0.6	0.2	NPN	FMBT5551
183	SOT-23	160	0.6	0.2	NPN	FMBT5551
184	SOT-23	200	0.5	0.35	NPN	FMBTA43
185	SOT-23	300	0.3	0.35	NPN	FMBTA42
186	SOT-23	400	0.3	0.2	NPN	FMBTA44
187	SOT-23	420	0.15	0.3	NPN	FMBT13001

Transistor

Continue...Transistor Package= SOT23-3L

NO.	Package	VCEO(V)	IC(A)	PD(W)	Polarity	Part No.
188	SOT23-3L	12	0.1	0.2	NPN	FMBTK2SC3356
189	SOT23-3L	25	0.5	0.3	NPN	FMBTK8050
190	SOT23-3L	40	0.2	0.35	NPN	FMBTK3904

Continue...Transistor Package= SOT-323

NO.	Package	VCEO(V)	IC(A)	PD(W)	Polarity	Part No.
191	SOT-323	-150	-0.6	0.2	PNP	FMBT5401W
192	SOT-323	-65	-1	0.15	PNP	BC856AW
193	SOT-323	-65	-1	0.15	PNP	BC856BW
194	SOT-323	-60	-0.6	0.2	PNP	FMBT2907AW
195	SOT-323	-50	-0.15	0.2	PNP	FMBTSA1576W
196	SOT-323	-50	-0.1	0.15	PNP	F2SA1611W
197	SOT-323	-45	-1	0.15	PNP	BC857AW
198	SOT-323	-45	-1	0.15	PNP	BC857BW
199	SOT-323	-45	-1	0.15	PNP	BC857CW
200	SOT-323	-45	-0.5	0.225	PNP	BC807-16W
201	SOT-323	-45	-0.5	0.225	PNP	BC807-25W
202	SOT-323	-45	-0.5	0.225	PNP	BC807-40W
203	SOT-323	-45	-0.5	0.3	PNP	BC807W
204	SOT-323	-45	-0.1	0.2	PNP	F9015W
205	SOT-323	-40	-0.6	0.2	PNP	FMBT4403W
206	SOT-323	-40	-0.2	0.2	PNP	FMBT3906W
207	SOT-323	-32	-0.5	0.2	PNP	FMBTSA1577W
208	SOT-323	-32	-0.5	0.2	PNP	F2SA1577P
209	SOT-323	-32	-0.5	0.2	PNP	F2SA1577Q
210	SOT-323	-32	-0.5	0.2	PNP	F2SA1577R
211	SOT-323	-30	-1	0.15	PNP	BC858AW
212	SOT-323	-30	-1	0.15	PNP	BC858BW
213	SOT-323	-30	-1	0.15	PNP	BC858CW
214	SOT-323	-30	-1	0.2	PNP	F2SB1694W
215	SOT-323	-25	-1.5	0.2	PNP	FMBT8550W
216	SOT-323	-25	-1.5	0.2	PNP	FS8550W
217	SOT-323	-25	-0.5	0.3	PNP	F8550W
218	SOT-323	12	0.1	0.15	NPN	FMBTSC4226W
219	SOT-323	12	0.1	0.2	NPN	FMBTSC3356W
220	SOT-323	25	0.5	0.3	NPN	F8050W
221	SOT-323	25	1.5	0.2	NPN	F8050W
222	SOT-323	30	0.1	0.2	NPN	BC848AW
223	SOT-323	30	0.1	0.2	NPN	BC848BW
224	SOT-323	30	0.1	0.2	NPN	BC848CW

Transistor

Continue...Transistor Package= SOT-323

NO.	Package	VCEO(V)	IC(A)	PD(W)	Polarity	Part No.
225	SOT-323	30	0.1	0.2	NPN	BC849AW
226	SOT-323	30	0.1	0.2	NPN	BC849BW
227	SOT-323	30	0.1	0.2	NPN	BC849CW
228	SOT-323	32	0.5	0.2	NPN	F2SC4097R
229	SOT-323	40	0.2	0.2	NPN	FMBT3904W
230	SOT-323	40	0.6	0.15	NPN	FMBT2222AW
231	SOT-323	40	0.6	0.2	NPN	FMBT4401W
232	SOT-323	45	0.1	0.2	NPN	BC847AW
233	SOT-323	45	0.1	0.2	NPN	BC847BW
234	SOT-323	45	0.1	0.2	NPN	BC847CW
235	SOT-323	45	0.1	0.2	NPN	BC850AW
236	SOT-323	45	0.1	0.2	NPN	BC850BW
237	SOT-323	45	0.1	0.2	NPN	BC850CW
238	SOT-323	45	0.1	0.2	NPN	F9014W
239	SOT-323	45	0.5	0.2	NPN	BC817W
240	SOT-323	50	0.1	0.15	NPN	F2SC4177W
241	SOT-323	50	0.15	0.15	NPN	F2SC4081Q
242	SOT-323	50	0.15	0.15	NPN	F2SC4081R
243	SOT-323	50	0.15	0.15	NPN	F2SC4081S
244	SOT-323	50	0.15	0.2	NPN	FMBTSC4081W
245	SOT-323	65	0.1	0.2	NPN	BC846AW
246	SOT-323	65	0.1	0.2	NPN	BC846BW
247	SOT-323	65	0.1	0.2	NPN	BC846CW
248	SOT-323	160	0.6	0.2	NPN	FMBT5551W

Transistor

Transistor Package= SOT-523

NO.	Package	VCEO(V)	IC(A)	PD(W)	Polarity	Part No.
249	SOT-523	12	0.5	0.15	NPN	F2SC5585E
250	SOT-523	20	0.015	0.125	NPN	FMBTSC4627E
251	SOT-523	25	0.5	0.3	NPN	F8050E
252	SOT-523	30	0.1	0.15	NPN	BC848ATE
253	SOT-523	30	0.1	0.15	NPN	BC848BTE
254	SOT-523	30	0.1	0.15	NPN	BC848CTE
255	SOT-523	30	0.1	0.15	NPN	BC848E
256	SOT-523	30	0.1	0.15	NPN	BC849E
257	SOT-523	30	0.6	0.15	NPN	FMBT2222E
258	SOT-523	40	0.2	0.15	NPN	FMBT3904E
259	SOT-523	40	0.2	0.15	NPN	FMBT3904T
260	SOT-523	40	0.6	0.15	NPN	FMBT2222AE
261	SOT-523	45	0.1	0.15	NPN	BC847ATE
262	SOT-523	45	0.1	0.15	NPN	BC847BTE
263	SOT-523	45	0.1	0.15	NPN	BC847CTE
264	SOT-523	45	0.1	0.15	NPN	BC847E
265	SOT-523	45	0.1	0.15	NPN	BC850ATE
266	SOT-523	45	0.1	0.15	NPN	BC850BTE
267	SOT-523	45	0.1	0.15	NPN	BC850CTE
268	SOT-523	45	0.1	0.15	NPN	BC850E
269	SOT-523	50	0.1	0.15	NPN	DTC143TE
270	SOT-523	50	0.15	0.15	NPN	F2SC4617E
271	SOT-523	50	0.15	0.15	NPN	FMBTSC1815E
272	SOT-523	50	0.15	0.15	NPN	FMBTSC4075E
273	SOT-523	65	0.1	0.15	NPN	BC846ATE
274	SOT-523	65	0.1	0.15	NPN	BC846BTE
275	SOT-523	65	0.1	0.15	NPN	BC846CTE
276	SOT-523	65	0.1	0.15	NPN	BC846E

Transistor

Transistor Package= SOT-89

NO.	Package	VCEO(V)	IC(A)	PD(W)	Polarity	Part No.
277	SOT-89	-400	-0.3	0.625	PNP	MPSA94U
278	SOT-89	-160	-1	0.5	PNP	F2SA1013U
279	SOT-89	-150	-0.5	0.5	PNP	F2N5401U
280	SOT-89	-120	-1.5	1	PNP	F2SB1027U
281	SOT-89	-120	-0.8	0.5	PNP	F2SA1201U
282	SOT-89	-120	-0.8	0.5	PNP	F2SA1661U
283	SOT-89	-100	-2	0.5	PNP	F2SA1417U
284	SOT-89	-80	-1	0.5	PNP	BCX53
285	SOT-89	-80	-1	0.5	PNP	F2SB1260U
286	SOT-89	-60	-2	2	PNP	F2SB1561U
287	SOT-89	-60	-1	0.5	PNP	BCX52
288	SOT-89	-60	-1	0.5	PNP	FCX591
289	SOT-89	-60	-0.6	0.625	PNP	F2N2907AU
290	SOT-89	-50	-2	0.5	PNP	F2SA1213U
291	SOT-89	-50	-2	0.5	PNP	F2SA1666U
292	SOT-89	-50	-2	0.5	PNP	F2SA1797U
293	SOT-89	-50	-2	0.5	PNP	F2SB1123U
294	SOT-89	-50	-2	0.5	PNP	F2SB1440U
295	SOT-89	-50	-1	0.5	PNP	F2SA1900U
296	SOT-89	-45	-1	0.5	PNP	BCX51
297	SOT-89	-40	-0.6	0.5	PNP	FMBT4403U
298	SOT-89	-40	-0.6	0.625	PNP	F2N2907U
299	SOT-89	-40	-0.2	0.5	PNP	F2N3906U
300	SOT-89	-32	-2	0.5	PNP	F2SB1188U
301	SOT-89	-30	-1.5	0.5	PNP	F2SA1203U
302	SOT-89	-30	-1.5	1	PNP	F2SA1663U
303	SOT-89	-30	-0.8	0.5	PNP	F2SA1664U
304	SOT-89	-25	-1.5	0.5	PNP	F8550U
305	SOT-89	-25	-1.5	0.625	PNP	S8550
306	SOT-89	-25	-1	0.5	PNP	F2SB766U
307	SOT-89	-20	-5	0.5	PNP	F2SB1386U
308	SOT-89	-20	-3	0.5	PNP	F2SB1424U
309	SOT-89	-20	-2	0.6	PNP	FMPBSS5320U
310	SOT-89	-20	-1	0.5	PNP	BC869U
311	SOT-89	12	0.1	0.2	NPN	FMBTSC3356U
312	SOT-89	12	0.1	1.2	NPN	F2SC3357U
313	SOT-89	20	1	0.5	NPN	BC868U
314	SOT-89	20	3	0.5	NPN	F2SD2150U
315	SOT-89	20	5	0.5	NPN	F2SD2098U

Transistor

Continue...Transistor Package= SOT-89

NO.	Package	VCEO(V)	IC(A)	PD(W)	Polarity	Part No.
316	SOT-89	20	5	0.75	NPN	F2SD965U
317	SOT-89	25	0.5	0.3	NPN	F9013U
318	SOT-89	25	1.2	0.5	NPN	F2SC3650U
319	SOT-89	25	1.5	0.5	NPN	F8050U
320	SOT-89	25	1.5	0.625	NPN	F8050U
321	SOT-89	30	0.8	0.5	NPN	F2SC2884U
322	SOT-89	30	1.5	0.5	NPN	F2SC2883U
323	SOT-89	30	1.5	0.5	NPN	F2SC4375U
324	SOT-89	40	0.2	0.5	NPN	F2N3904U
325	SOT-89	40	0.6	0.5	NPN	FMBT4401U
326	SOT-89	40	0.6	0.625	NPN	F2N2222AU
327	SOT-89	45	1	0.5	NPN	BCX54
328	SOT-89	50	1	0.5	NPN	F2SD1616U
329	SOT-89	50	1	1	NPN	F2SD1368U
330	SOT-89	50	1	1	NPN	F2SD874U
331	SOT-89	50	1	2	NPN	F2SD1615U
332	SOT-89	50	2	0.5	NPN	F2SC2655U
333	SOT-89	50	2	0.5	NPN	F2SC2873U
334	SOT-89	50	2	0.5	NPN	F2SC4379U
335	SOT-89	50	2	1.3	NPN	F2SD1623U
336	SOT-89	50	3	1	NPN	F2SC4541U
337	SOT-89	50	3	2	NPN	F2SC4672U
338	SOT-89	60	1	0.5	NPN	BCX55
339	SOT-89	60	1	0.5	NPN	F2SD1616AU
340	SOT-89	60	1	1	NPN	F2SC4378U
341	SOT-89	60	2	0.5	NPN	F2SD2391U
342	SOT-89	60	2	0.5	NPN	F2SD2391U
343	SOT-89	80	0.4	0.5	NPN	F2SC4374U
344	SOT-89	80	1	0.5	NPN	BCX56
345	SOT-89	80	1	0.5	NPN	F2SD1005U
346	SOT-89	80	1	0.5	NPN	F2SD1898U
347	SOT-89	100	0.7	2	NPN	F2SD1006U
348	SOT-89	120	0.7	2	NPN	F2SD1007U
349	SOT-89	120	0.8	0.5	NPN	F2SC2881U
350	SOT-89	150	1	1	NPN	FCX495
351	SOT-89	160	0.6	0.5	NPN	F2N5551U
352	SOT-89	160	1	0.5	NPN	F2SC2383U
353	SOT-89	400	0.2	0.5	NPN	F2SC4548U
354	SOT-89	400	0.2	0.6	NPN	F13002U

Transistor

Continue...Transistor Package= SOT-89

NO.	Package	VCEO(V)	IC(A)	PD(W)	Polarity	Part No.
355	SOT-89	400	0.3	0.625	NPN	FMPSA44U
356	SOT-89	430	1.5	0.8	NPN	F13003U
357	SOT-89	450	0.3	0.75	NPN	F13001U

Continue...Transistor Package= SOT-126

NO.	Package	VCEO(V)	IC(A)	PD(W)	Polarity	Part No.
358	TO-126	-60	-5	1.3	PNP	F2SB1151-T126
359	TO-126	-60	-1.5	1.25	PNP	BD138-T126
360	TO-126	-45	-1.5	1.25	PNP	BD136-T126