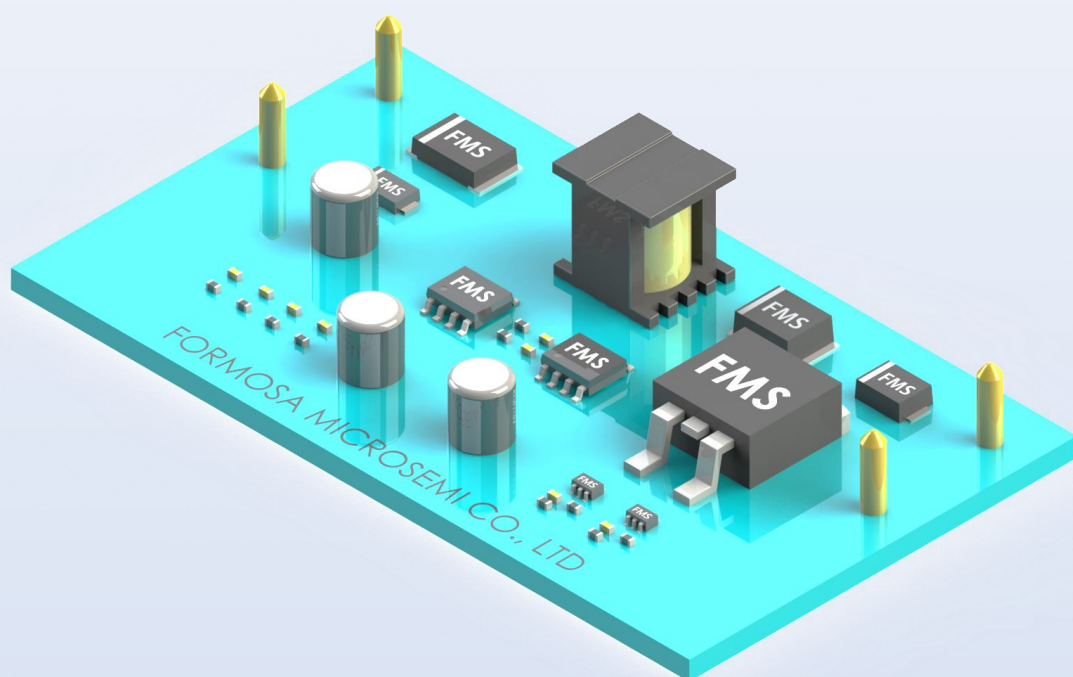




DC TO DC電源轉換器 應用參考手冊





Formosa Microsemi CO.,LTD.

DC TO DC電源轉換器 應用參考手冊

- 品質至上
- 服務優先
- 顧客滿意
- 持續改善

成立時間： 1996 年 7月

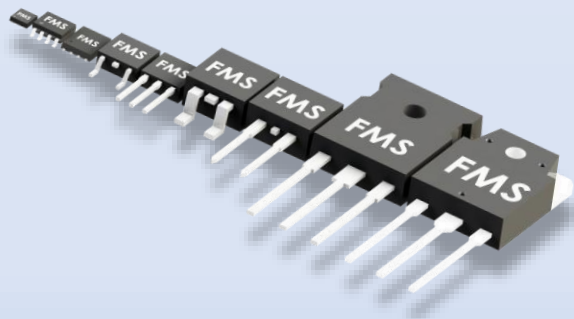
營運中心： 台北,台灣

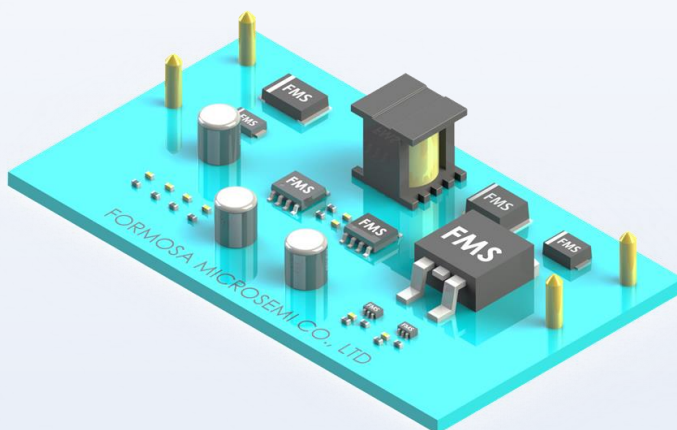
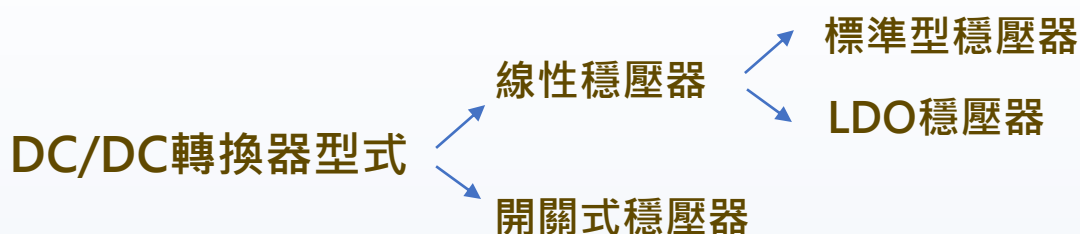
主力研發： 功率/保護/整流/低功耗/快速切換/低導通

生產產品： **MOSFETs/ESD/TVS/Diode/Zener**

實施品質認證，創造顧客滿意

ISO 9001 Ceritifiaction:
AEC-Q101
IATF 16949 PASS
ISO 14001 PASS





1. 開關式轉換器本文將推薦降壓型建議用料,推薦中不考慮以下
 - MOSFET RDSON : 每個設計的操作頻率不同,設計成本也不同很難同時兼顧
 - MOSFET Ciss : 每個設計的操作頻率不同,需求也不同
2. 本文皆以 P Type MOSFET做推薦,如此可不用設計自舉電路
3. 同步整流需求的MOSFET,可由我司提供的EXCEL總表篩選

如果推薦料不符合預期,請篩選我司提供的MOSFET EXCEL檔總表

美麗微供應標準型穩壓器如下:

(0.1A~0.3A)...78LXX · LM317L · UC723 · 78LXXM · 78NXX · 79LXX

(0.5A).....78DXX · 78DXXL · 78MXX · 78TXX · LM317M · 79DXX

(1.0A~1.5A)...78DXXA · LM78XX · 78TXXA · 78TXXAA · 78DXXAA
LM78XXA · LM317 · LM317A · 79DXXA · 79DXXAA
LM79XX · LM79XXA · 79TXXA

美麗微LDO穩壓器: (低消耗功率型)

LDO Voltage Regulator ($I_o=0.1A\sim 8A$) / VD(1.0V~1.5V)

Low Quiescent Current CMOS LDO Regulator/ ($I_o=0.1A\sim 0.5A$)/VD(0.4V~0.6V)

Low Quiescent Current CMOS LDO Regulator ($I_o=0.6A\sim 5.0A$)

Low Quiescent current High Voltage CMOS Regulator

Dual Output LDO Regulator

LDO Regulator Controller IC

Super Low Dropout Voltage Regulator

(0.1A~0.4A) Regulator / VD(0.1V~0.5V)

(0.5A~5.0A) Regulator / VD(0.4V~0.6V)

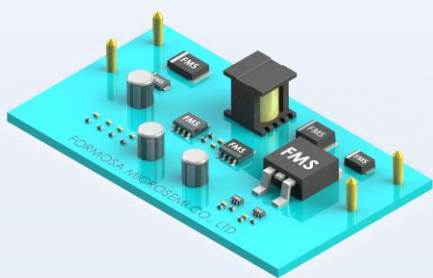
開關式穩壓器市場應用分類:



1. 模組型:

小功率輸出
無需增加周邊零件
規劃容易

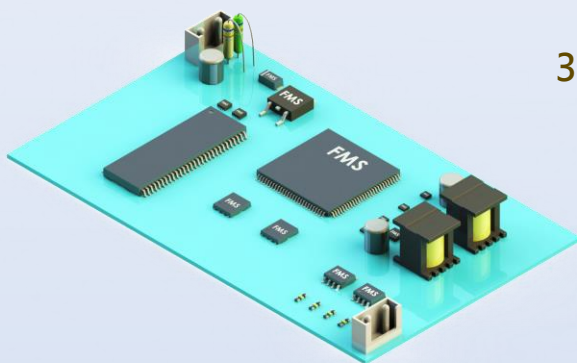
零件要求
體積要小
消耗功率要更低
更好的散熱



2. OPEN FRAM型:

周邊零件多
可做到高功率
可做到更高精密
良好的散熱處理

零件要求
大功率型零件
散熱片型零件

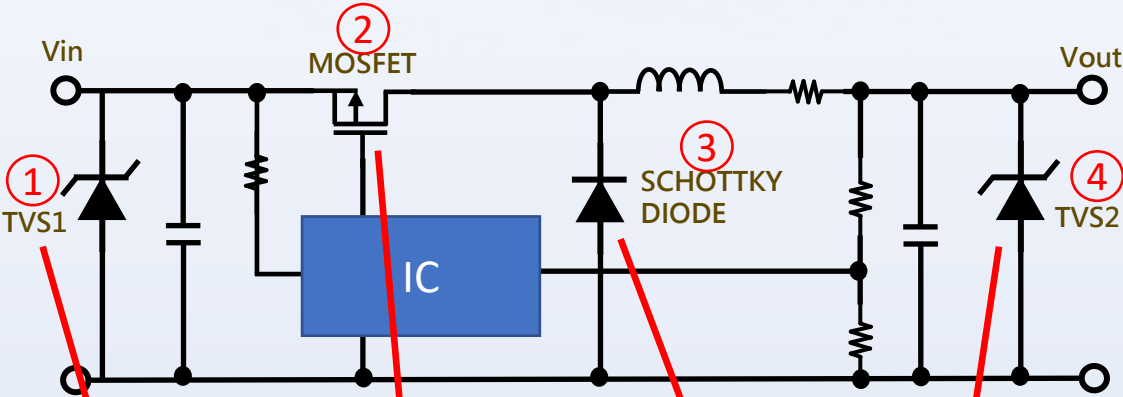
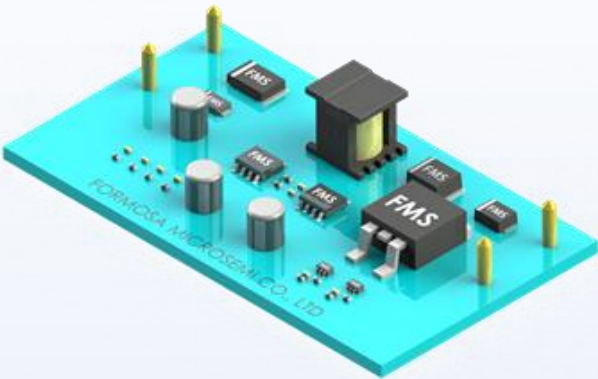


3. ON BOARD型:(設計在主要基板上)

一般做到中小功率輸出

零件要求
中小功率型零件

降壓型 dc to dc 4大功能建議用料



Vin(V)=	32	Vout(V)=	12	Pout(W)=	5	Iout(A)=	0.42	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	32	Vr >=	64	Vr >=	64	Vc >=	12	
W >=	400	Io>=	0.20	If >=	0.83	W >=	400	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	

降壓型 dc to dc 建議用料

範例規格

OUT(W)	IN(V)	OUT(V)	
5	14	5	GO TO DETAIL
10	14	5	GO TO DETAIL
50	14	5	GO TO DETAIL
5	18	5	GO TO DETAIL
10	18	5	GO TO DETAIL
50	18	5	GO TO DETAIL
5	24	5	GO TO DETAIL
10	24	5	GO TO DETAIL
50	24	5	GO TO DETAIL
5	28	5	GO TO DETAIL
10	28	5	GO TO DETAIL
50	28	5	GO TO DETAIL
5	32	5	GO TO DETAIL
10	32	5	GO TO DETAIL
50	32	5	GO TO DETAIL
5	14	12	GO TO DETAIL
10	14	12	GO TO DETAIL
50	14	12	GO TO DETAIL
5	18	12	GO TO DETAIL
10	18	12	GO TO DETAIL
50	18	12	GO TO DETAIL
5	24	12	GO TO DETAIL
10	24	12	GO TO DETAIL
50	24	12	GO TO DETAIL
5	28	12	GO TO DETAIL
10	28	12	GO TO DETAIL
50	28	12	GO TO DETAIL
5	32	12	GO TO DETAIL
10	32	12	GO TO DETAIL
50	32	12	GO TO DETAIL

OUTPUT: 5W IN=14V OUT=5V

Vin(V)=	14	Vout(V)=	5	Pout(W)=	5	Iout(A)=	1	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	14	Vr >=	28	Vr >=	28	Vc >=	5	
W >=	200	Io>=	0.45	If >=	1.5	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF14CA-MS	SOD-123S	FMOSK7401	SC-59	FM2L40-MS	SOD-123S	SMF5.0CA-MS	SOD-123S	
		FMOSG7401	SOT-323	SL24-MS	SOD-123S			
		FMOSAJ7401	T1820P6	LFM240-MS	SOD-123S			
		FMOSM7401	T2020P6	FM240-MS	SOD-123S			
		FMOSAP7401	T2020P8					
		FMOSAM7401	T2030P6					
		FMOSAG7401	T3030P8					
		FMOSAC7401	T5060P8					
		FMOSK02P06	SC-59					
		FMOST02P06	SOT-223					
		FMOSA02P06	SOT-89					
		FMOSAJ02P06	T1820P6					
		FMOSAP02P06	T2020P8					
		FMOSAM02P06	T2030P6					
		FMOSAG02P06	T3030P8					
		FMOSAC02P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSK7401	-30	-1.2	150	200	280	-	-	409	SC-59
FMOSG7401	-30	-1.2	150	200	280	-	-	409	SOT-323
FMOSAJ7401	-30	-1.2	150	200	280	-	-	409	T1820P6
FMOSM7401	-30	-1.2	150	200	280	-	-	409	T2020P6
FMOSAP7401	-30	-1.2	150	200	280	-	-	409	T2020P8
FMOSAM7401	-30	-1.2	150	200	280	-	-	409	T2030P6
FMOSAG7401	-30	-1.2	150	200	280	-	-	409	T3030P8
FMOSAC7401	-30	-1.2	150	200	280	-	-	409	T5060P8
FMOSK02P06	-60	-2	400	600	-	-	-	545	SC-59
FMOST02P06	-60	-2	400	600	-	-	-	545	SOT-223
FMOSA02P06	-60	-2	400	600	-	-	-	545	SOT-89
FMOSAJ02P06	-60	-2	400	600	-	-	-	545	T1820P6
FMOSAP02P06	-60	-2	400	600	-	-	-	545	T2020P8
FMOSAM02P06	-60	-2	400	600	-	-	-	545	T2030P6
FMOSAG02P06	-60	-2	400	600	-	-	-	545	T3030P8
FMOSAC02P06	-60	-2	400	600	-	-	-	545	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSQ12P03A	-30	-12.3	8					4330	TO-252(DPAK)
FMOSQ4407	-30	-13	9.5	15	-	-	-	3300	SOP8(SOP-08)
FMOSQ15P03	-30	-15	9					4320	TO-252(DPAK)
FMOSAB45P03	-30	-45	7.5					4650	T3333P8
FMOSAC45P03	-30	-45	10					3564	T5060P8
FMOSAG60P03	-30	-60	10	15				3630	T3030P8
FMOSAC75P03	-30	-75	10	12	-	-	-	5500	T5060P8
FMOSP75P03	-30	-75	10	12	-	-	-	5500	TO-220AB
FMOSD75P03	-30	-75	10	12	-	-	-	5500	TO-251
FMOSU75P03	-30	-75	10	12	-	-	-	5500	TO-252(DPAK)
FMOSP100P03	-30	-100	4.3	7.6	-	-	-	9500	TO-220AB

OUTPUT: 10W IN=14V OUT=5V

Vin(V)=	14	Vout(V)=	5	Pout(W)=	10	Iout(A)=	2	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	14	Vr >=	28	Vr >=	28	Vc >=	5	
W >=	200	Io>=	0.89	If >=	3	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF14CA-MS	SOD-123S	FMOSK7401	SC-59	FM3L40-AS	SMA-S	SMF5.0CA-MS	SOD-123S	
		FMOSG7401	SOT-323	SL34-AS	SMA-S			
		FMOSAJ7401	T1820P6	FM340-AS	SMA-S			
		FMOSM7401	T2020P6					
		FMOSAP7401	T2020P8					
		FMOSAM7401	T2030P6					
		FMOSAG7401	T3030P8					
		FMOSAC7401	T5060P8					
		FMOSK02P06	SC-59					
		FMOST02P06	SOT-223					
		FMOSA02P06	SOT-89					
		FMOSAJ02P06	T1820P6					
		FMOSAP02P06	T2020P8					
		FMOSAM02P06	T2030P6					
		FMOSAG02P06	T3030P8					
		FMOSAC02P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSK7401	-30	-1.2	150	200	280	-	-	409	SC-59
FMOSG7401	-30	-1.2	150	200	280	-	-	409	SOT-323
FMOSAJ7401	-30	-1.2	150	200	280	-	-	409	T1820P6
FMOSM7401	-30	-1.2	150	200	280	-	-	409	T2020P6
FMOSAP7401	-30	-1.2	150	200	280	-	-	409	T2020P8
FMOSAM7401	-30	-1.2	150	200	280	-	-	409	T2030P6
FMOSAG7401	-30	-1.2	150	200	280	-	-	409	T3030P8
FMOSAC7401	-30	-1.2	150	200	280	-	-	409	T5060P8
FMOSK02P06	-60	-2	400	600	-	-	-	545	SC-59
FMOST02P06	-60	-2	400	600	-	-	-	545	SOT-223
FMOSA02P06	-60	-2	400	600	-	-	-	545	SOT-89
FMOSAJ02P06	-60	-2	400	600	-	-	-	545	T1820P6
FMOSAP02P06	-60	-2	400	600	-	-	-	545	T2020P8
FMOSAM02P06	-60	-2	400	600	-	-	-	545	T2030P6
FMOSAG02P06	-60	-2	400	600	-	-	-	545	T3030P8
FMOSAC02P06	-60	-2	400	600	-	-	-	545	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSQ12P03A	-30	-12.3	8					4330	TO-252(DPAK)
FMOSQ4407	-30	-13	9.5	15	-	-	-	3300	SOP8(SOP-08)
FMOSQ15P03	-30	-15	9					4320	TO-252(DPAK)
FMOSAB45P03	-30	-45	7.5					4650	T3333P8
FMOSAC45P03	-30	-45	10					3564	T5060P8
FMOSAG60P03	-30	-60	10	15				3630	T3030P8
FMOSAC75P03	-30	-75	10	12	-	-	-	5500	T5060P8
FMOSP75P03	-30	-75	10	12	-	-	-	5500	TO-220AB
FMOSD75P03	-30	-75	10	12	-	-	-	5500	TO-251
FMOSU75P03	-30	-75	10	12	-	-	-	5500	TO-252(DPAK)
FMOSP100P03	-30	-100	4.3	7.6	-	-	-	9500	TO-220AB

OUTPUT: 50W IN=14V OUT=5V

Vin(V)=	14	Vout(V)=	5	Pout(W)=	50	Iout(A)=	10	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	14	Vr >=	28	Vr >=	28	Vc >=	5	
W >=	400	Io>=	4.46	If >=	15	W >=	400	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMAS14CA	SMA-S	FMOSK6401	SC-59	SKFM1640C-D2	D2PAK	SMF5.0CA-MS	SOD-123S	
		FMOST6401	SOT-223	MBR20L45CT	TO-220AB			
		FMOSL6401	SOT-23-6(SOT-26)					
		FMOSAJ6401	T1820P6					
		FMOSAM6401	T2030P6					
		FMOSAG6401	T3030P8					
		FMOSAC6401	T5060P8					
		FMOSQ4953	TO-252(DPAK)					
		FMOSK9435HZ	SC-59					
		FMOSK9435H	SC-59					
		FMOSQ9435HZ	SOP8(SOP-08)					
		FMOSQ9435H	SOP8(SOP-08)					
		FMOST9435HZ	SOT-223					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSK6401	-30	-5	49	64	119	-	-	943	SC-59
FMOST6401	-30	-5	49	64	119	-	-	943	SOT-223
FMOSL6401	-30	-5	49	64	119	-	-	943	SOT-23-6(SOT-26)
FMOSAJ6401	-30	-5	49	64	119	-	-	943	T1820P6
FMOSAM6401	-30	-5	49	64	119	-	-	943	T2030P6
FMOSAG6401	-30	-5	49	64	119	-	-	943	T3030P8
FMOSAC6401	-30	-5	49	64	119	-	-	943	T5060P8
FMOSQ4953	-30	-5.1	55					580	TO-252(DPAK)
FMOSK9435HZ	-30	-5.3	55	135	-	-	-	600	SC-59
FMOSK9435H	-30	-5.3	50	90	-	-	-	880	SC-59
FMOSQ9435HZ	-30	-5.3	55	135	-	-	-	600	SOP8(SOP-08)
FMOSQ9435H	-30	-5.3	50	90	-	-	-	880	SOP8(SOP-08)
FMOST9435HZ	-30	-5.3	55	135	-	-	-	600	SOT-223

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSQ13P04	-40	-13	12	17	-	-	-	2900	SOP8(SOP-08)
FMOSQ50P04	-40	-50	15	25	-	-	-	3140	SOP8(SOP-08)
FMOSAC50P04	-40	-50	15	25	-	-	-	3140	T5060P8
FMOSU50P04	-40	-50	15	25	-	-	-	3140	TO-252(DPAK)
FMOSU52P04	-40	-52	13					3500	TO-252(DPAK)
FMOSP65P04	-40	-65	15	23	-	-	-	5400	TO-220AB
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB

OUTPUT: 5W IN=18V OUT=5V

Vin(V)=	18	Vout(V)=	5	Pout(W)=	5	Iout(A)=	1	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	18	Vr >=	36	Vr >=	36	Vc >=	5	
W >=	200	Io>=	0.35	If >=	1.5	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF18CA-MS	SOD-123S	FMOST2955	SOT-223	FM2L40-MS	SOD-123S	SMF5.0CA-MS	SOD-123S	
		FMOSU2955	TO-252(DPAK)	SL24-MS	SOD-123S			
		FMOSK02P06	SC-59	LFM240-MS	SOD-123S			
		FMOST02P06	SOT-223	FM240-MS	SOD-123S			
		FMOSA02P06	SOT-89					
		FMOSAJ02P06	T1820P6					
		FMOSAP02P06	T2020P8					
		FMOSAM02P06	T2030P6					
		FMOSAG02P06	T3030P8					
		FMOSAC02P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOST2955	-60	-1.7	185					492	SOT-223
FMOSU2955	-60	-1.7	185					492	TO-252(DPAK)
FMOSK02P06	-60	-2	400	600	-	-	-	545	SC-59
FMOST02P06	-60	-2	400	600	-	-	-	545	SOT-223
FMOSA02P06	-60	-2	400	600	-	-	-	545	SOT-89
FMOSAJ02P06	-60	-2	400	600	-	-	-	545	T1820P6
FMOSAP02P06	-60	-2	400	600	-	-	-	545	T2020P8
FMOSAM02P06	-60	-2	400	600	-	-	-	545	T2030P6
FMOSAG02P06	-60	-2	400	600	-	-	-	545	T3030P8
FMOSAC02P06	-60	-2	400	600	-	-	-	545	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSQ13P04	-40	-13	12	17	-	-	-	2900	SOP8(SOP-08)
FMOSQ50P04	-40	-50	15	25	-	-	-	3140	SOP8(SOP-08)
FMOSAC50P04	-40	-50	15	25	-	-	-	3140	T5060P8
FMOSU50P04	-40	-50	15	25	-	-	-	3140	TO-252(DPAK)
FMOSU52P04	-40	-52	13					3500	TO-252(DPAK)
FMOSP65P04	-40	-65	15	23	-	-	-	5400	TO-220AB
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB

OUTPUT: 10W IN=18V OUT=5V

Vin(V)=	18	Vout(V)=	5	Pout(W)=	10	Iout(A)=	2	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	18	Vr >=	36	Vr >=	36	Vc >=	5	
W >=	200	Io>=	0.69	If >=	3	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF18CA-MS	SOD-123S	FMOST2955	SOT-223	FM3L40-AS	SMA-S	SMF5.0CA-MS	SOD-123S	
		FMOSU2955	TO-252(DPAK)	FM340-AS	SMA-S			
		FMOSK02P06	SC-59	SL34-AS	SMA-S			
		FMOST02P06	SOT-223					
		FMOSA02P06	SOT-89					
		FMOSAJ02P06	T1820P6					
		FMOSAP02P06	T2020P8					
		FMOSAM02P06	T2030P6					
		FMOSAG02P06	T3030P8					
		FMOSAC02P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOST2955	-60	-1.7	185					492	SOT-223
FMOSU2955	-60	-1.7	185					492	TO-252(DPAK)
FMOSK02P06	-60	-2	400	600	-	-	-	545	SC-59
FMOST02P06	-60	-2	400	600	-	-	-	545	SOT-223
FMOSA02P06	-60	-2	400	600	-	-	-	545	SOT-89
FMOSAJ02P06	-60	-2	400	600	-	-	-	545	T1820P6
FMOSAP02P06	-60	-2	400	600	-	-	-	545	T2020P8
FMOSAM02P06	-60	-2	400	600	-	-	-	545	T2030P6
FMOSAG02P06	-60	-2	400	600	-	-	-	545	T3030P8
FMOSAC02P06	-60	-2	400	600	-	-	-	545	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSQ13P04	-40	-13	12	17	-	-	-	2900	SOP8(SOP-08)
FMOSQ50P04	-40	-50	15	25	-	-	-	3140	SOP8(SOP-08)
FMOSAC50P04	-40	-50	15	25	-	-	-	3140	T5060P8
FMOSU50P04	-40	-50	15	25	-	-	-	3140	TO-252(DPAK)
FMOSU52P04	-40	-52	13					3500	TO-252(DPAK)
FMOSP65P04	-40	-65	15	23	-	-	-	5400	TO-220AB
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB

OUTPUT: 50W IN=18V OUT=5V

Vin(V)=	18	Vout(V)=	5	Pout(W)=	50	Iout(A)=	10	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	18	Vr >=	36	Vr >=	36	Vc >=	5	
W >=	400	Io>=	3.47	If >=	15	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMAS18CA	SMA-S	FMOSK04P04M	SC-59	SKFM1640C-D2	D2PAK	SMF5.0CA-MS	SOD-123S	
		FMOSK05P04M	SC-59	MBR20L45CT	TO-220AB			
		FMOSAG05P04M	T3030P8					
		FMOST6354	SOT-223					
		FMOS2309B	SOT-23					
		FMOSL6354	SOT-23-6(SOT-26)					
		FMOSAJ6354	T1820P6					
		FMOSAM6354	T2030P6					
		FMOSAG6354	T3030P8					
		FMOSAC6354	T5060P8					
		FMOSQ4421	SOP8(SOP-08)					
		FMOSQ06P06	SOP8(SOP-08)					
		FMOSAC4421	T5060P8					
		FMOSAC06P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSK04P04M	-40	-4	110	150				380	SC-59
FMOSK05P04M	-40	-5	82	110	-	-	-	460	SC-59
FMOSAG05P04M	-40	-5	82	110	-	-	-	460	T3030P8
FMOST6354	-60	-4	100	135	-	-	-	950	SOT-223
FMOS2309B	-60	-4	180					850	SOT-23
FMOSL6354	-60	-4	100	135	-	-	-	950	SOT-23-6(SOT-26)
FMOSAJ6354	-60	-4	100	135	-	-	-	950	T1820P6
FMOSAM6354	-60	-4	100	135	-	-	-	950	T2030P6
FMOSAG6354	-60	-4	100	135	-	-	-	950	T3030P8
FMOSAC6354	-60	-4	100	135	-	-	-	950	T5060P8
FMOSQ4421	-60	-6.2	48	63	-	-	-	1500	SOP8(SOP-08)
FMOSQ06P06	-60	-6.2	48	63	-	-	-	950	SOP8(SOP-08)
FMOSAC4421	-60	-6.2	48	63	-	-	-	1500	T5060P8
FMOSAC06P06	-60	-6.2	48	63	-	-	-	950	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSQ13P04	-40	-13	12	17	-	-	-	2900	SOP8(SOP-08)
FMOSQ50P04	-40	-50	15	25	-	-	-	3140	SOP8(SOP-08)
FMOSAC50P04	-40	-50	15	25	-	-	-	3140	T5060P8
FMOSU50P04	-40	-50	15	25	-	-	-	3140	TO-252(DPAK)
FMOSU52P04	-40	-52	13					3500	TO-252(DPAK)
FMOSP65P04	-40	-65	15	23	-	-	-	5400	TO-220AB
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB

OUTPUT: 5W IN=24V OUT=5V

Vin(V)=	24	Vout(V)=	5	Pout(W)=	5	Iout(A)=	1	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	24	Vr >=	48	Vr >=	48	Vc >=	5	
W >=	200	Io>=	0.26	If >=	1.5	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF24CA-MS	SOD-123S	FMOST2955	SOT-223	FM2L60-MS	SOD-123S	SMF5.0CA-MS	SOD-123S	
		FMOSU2955	TO-252(DPAK)	FM260-MS	SOD-123S			
		FMOSK02P06	SC-59					
		FMOST02P06	SOT-223					
		FMOSA02P06	SOT-89					
		FMOSAJ02P06	T1820P6					
		FMOSAP02P06	T2020P8					
		FMOSAM02P06	T2030P6					
		FMOSAG02P06	T3030P8					
		FMOSAC02P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOST2955	-60	-1.7	185					492	SOT-223
FMOSU2955	-60	-1.7	185					492	TO-252(DPAK)
FMOSK02P06	-60	-2	400	600	-	-	-	545	SC-59
FMOST02P06	-60	-2	400	600	-	-	-	545	SOT-223
FMOSA02P06	-60	-2	400	600	-	-	-	545	SOT-89
FMOSAJ02P06	-60	-2	400	600	-	-	-	545	T1820P6
FMOSAP02P06	-60	-2	400	600	-	-	-	545	T2020P8
FMOSAM02P06	-60	-2	400	600	-	-	-	545	T2030P6
FMOSAG02P06	-60	-2	400	600	-	-	-	545	T3030P8
FMOSAC02P06	-60	-2	400	600	-	-	-	545	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSU30P06A	-60	-30	30					2400	TO-252(DPAK)
FMOSU35P06	-60	-35	30	40	-	-	-	2595	TO-252(DPAK)
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSP80P06	-60	-80	23	-	-	-	-	4026	TO-220AB
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB

OUTPUT: 10W IN=24V OUT=5V

Vin(V)=	24	Vout(V)=	5	Pout(W)=	10	Iout(A)=	2	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	24	Vr >=	48	Vr >=	48	Vc >=	5	
W >=	200	Io>=	0.52	If >=	3	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF24CA-MS	SOD-123S	FMOST2955	SOT-223	FM3L60-AS	SMA-S	SMF5.0CA-MS	SOD-123S	
		FMOSU2955	TO-252(DPAK)	FM360-AS	SMA-S			
		FMOSK02P06	SC-59					
		FMOST02P06	SOT-223					
		FMOSA02P06	SOT-89					
		FMOSAJ02P06	T1820P6					
		FMOSAP02P06	T2020P8					
		FMOSAM02P06	T2030P6					
		FMOSAG02P06	T3030P8					
		FMOSAC02P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOST2955	-60	-1.7	185					492	SOT-223
FMOSU2955	-60	-1.7	185					492	TO-252(DPAK)
FMOSK02P06	-60	-2	400	600	-	-	-	545	SC-59
FMOST02P06	-60	-2	400	600	-	-	-	545	SOT-223
FMOSA02P06	-60	-2	400	600	-	-	-	545	SOT-89
FMOSAJ02P06	-60	-2	400	600	-	-	-	545	T1820P6
FMOSAP02P06	-60	-2	400	600	-	-	-	545	T2020P8
FMOSAM02P06	-60	-2	400	600	-	-	-	545	T2030P6
FMOSAG02P06	-60	-2	400	600	-	-	-	545	T3030P8
FMOSAC02P06	-60	-2	400	600	-	-	-	545	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSU30P06A	-60	-30	30					2400	TO-252(DPAK)
FMOSU35P06	-60	-35	30	40	-	-	-	2595	TO-252(DPAK)
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSP80P06	-60	-80	23	-	-	-	-	4026	TO-220AB
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB

OUTPUT: 50W IN=24V OUT=5V

Vin(V)=	24	Vout(V)=	5	Pout(W)=	50	Iout(A)=	10	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	24	Vr >=	48	Vr >=	48	Vc >=	5	
W >=	400	Io>=	2.60	If >=	15	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMAS24CA	SMA-S	FMOSK03P06	SC-59	SKFM1660C-D2	D2PAK	SMF5.0CA-MS	SOD-123S	
		FMOST03P06	SOT-223	MBR20L60CT	TO-220AB			
		FMOSL03P06	SOT-23-6(SOT-26)					
		FMOSAJ03P06	T1820P6					
		FMOSAM03P06	T2030P6					
		FMOSAG03P06	T3030P8					
		FMOSAC03O06	T5060P8					
		FMOST6354	SOT-223					
		FMOS2309B	SOT-23					
		FMOSL6354	SOT-23-6(SOT-26)					
		FMOSAJ6354	T1820P6					
		FMOSAM6354	T2030P6					
		FMOSAG6354	T3030P8					
		FMOSAC6354	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSK03P06	-60	-3	220	310	-	-	-	540	SC-59
FMOST03P06	-60	-3	220	310	-	-	-	540	SOT-223
FMOSL03P06	-60	-3	220	310	-	-	-	540	SOT-23-6(SOT-26)
FMOSAJ03P06	-60	-3	220	310	-	-	-	540	T1820P6
FMOSAM03P06	-60	-3	220	310	-	-	-	540	T2030P6
FMOSAG03P06	-60	-3	220	310	-	-	-	540	T3030P8
FMOSAC03O06	-60	-3	220	310	-	-	-	540	T5060P8
FMOST6354	-60	-4	100	135	-	-	-	950	SOT-223
FMOS2309B	-60	-4	180					850	SOT-23
FMOSL6354	-60	-4	100	135	-	-	-	950	SOT-23-6(SOT-26)
FMOSAJ6354	-60	-4	100	135	-	-	-	950	T1820P6
FMOSAM6354	-60	-4	100	135	-	-	-	950	T2030P6
FMOSAG6354	-60	-4	100	135	-	-	-	950	T3030P8
FMOSAC6354	-60	-4	100	135	-	-	-	950	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSU30P06A	-60	-30	30					2400	TO-252(DPAK)
FMOSU35P06	-60	-35	30	40	-	-	-	2595	TO-252(DPAK)
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSP80P06	-60	-80	23	-	-	-	-	4026	TO-220AB
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB

OUTPUT: 5W IN=28V OUT=5V

Vin(V)=	28	Vout(V)=	5	Pout(W)=	5	Iout(A)=	1	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	28	Vr >=	56	Vr >=	56	Vc >=	5	
W >=	200	Io>=	0.22	If >=	1.5	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF28CA-MS	SOD-123S	FMOST2955	SOT-223	FM2L60-MS	SOD-123S	SMF5.0CA-MS	SOD-123S	
		FMOSU2955	TO-252(DPAK)	FM260-MS	SOD-123S			
		FMOSK02P06	SC-59					
		FMOST02P06	SOT-223					
		FMOSA02P06	SOT-89					
		FMOSAJ02P06	T1820P6					
		FMOSAP02P06	T2020P8					
		FMOSAM02P06	T2030P6					
		FMOSAG02P06	T3030P8					
		FMOSAC02P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOST2955	-60	-1.7	185					492	SOT-223
FMOSU2955	-60	-1.7	185					492	TO-252(DPAK)
FMOSK02P06	-60	-2	400	600	-	-	-	545	SC-59
FMOST02P06	-60	-2	400	600	-	-	-	545	SOT-223
FMOSA02P06	-60	-2	400	600	-	-	-	545	SOT-89
FMOSAJ02P06	-60	-2	400	600	-	-	-	545	T1820P6
FMOSAP02P06	-60	-2	400	600	-	-	-	545	T2020P8
FMOSAM02P06	-60	-2	400	600	-	-	-	545	T2030P6
FMOSAG02P06	-60	-2	400	600	-	-	-	545	T3030P8
FMOSAC02P06	-60	-2	400	600	-	-	-	545	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSU30P06A	-60	-30	30					2400	TO-252(DPAK)
FMOSU35P06	-60	-35	30	40	-	-	-	2595	TO-252(DPAK)
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSP80P06	-60	-80	23	-	-	-	-	4026	TO-220AB
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB
FMOSP70P10	-100	-70	30	-	-	-	-	2250	TO-220AB

OUTPUT: 10W IN=28V OUT=5V

Vin(V)=	28	Vout(V)=	5	Pout(W)=	10	Iout(A)=	2	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	28	Vr >=	56	Vr >=	56	Vc >=	5	
W >=	200	Io>=	0.45	If >=	3	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF28CA-MS	SOD-123S	FMOST2955	SOT-223	FM3L60-AS	SMA-S	SMF5.0CA-MS	SOD-123S	
		FMOSU2955	TO-252(DPAK)	FM360-AS	SMA-S			
		FMOSK02P06	SC-59					
		FMOST02P06	SOT-223					
		FMOSA02P06	SOT-89					
		FMOSAJ02P06	T1820P6					
		FMOSAP02P06	T2020P8					
		FMOSAM02P06	T2030P6					
		FMOSAG02P06	T3030P8					
		FMOSAC02P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOST2955	-60	-1.7	185					492	SOT-223
FMOSU2955	-60	-1.7	185					492	TO-252(DPAK)
FMOSK02P06	-60	-2	400	600	-	-	-	545	SC-59
FMOST02P06	-60	-2	400	600	-	-	-	545	SOT-223
FMOSA02P06	-60	-2	400	600	-	-	-	545	SOT-89
FMOSAJ02P06	-60	-2	400	600	-	-	-	545	T1820P6
FMOSAP02P06	-60	-2	400	600	-	-	-	545	T2020P8
FMOSAM02P06	-60	-2	400	600	-	-	-	545	T2030P6
FMOSAG02P06	-60	-2	400	600	-	-	-	545	T3030P8
FMOSAC02P06	-60	-2	400	600	-	-	-	545	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSU30P06A	-60	-30	30					2400	TO-252(DPAK)
FMOSU35P06	-60	-35	30	40	-	-	-	2595	TO-252(DPAK)
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSP80P06	-60	-80	23	-	-	-	-	4026	TO-220AB
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB
FMOSP70P10	-100	-70	30	-	-	-	-	2250	TO-220AB

OUTPUT: 50W IN=28V OUT=5V

Vin(V)=	28	Vout(V)=	5	Pout(W)=	50	Iout(A)=	10	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	28	Vr >=	56	Vr >=	56	Vc >=	5	
W >=	400	Io>=	2.23	If >=	15	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMA528CA	SMA-S	FMOSK03P06	SC-59	SKFM1660C-D2	D2PAK	SMF5.0CA-MS	SOD-123S	
		FMOST03P06	SOT-223	MBR20L60CT	TO-220AB			
		FMOSL03P06	SOT-23-6(SOT-26)					
		FMOSAJ03P06	T1820P6					
		FMOSAM03P06	T2030P6					
		FMOSAG03P06	T3030P8					
		FMOSAC03O06	T5060P8					
		FMOST6354	SOT-223					
		FMOS2309B	SOT-23					
		FMOSL6354	SOT-23-6(SOT-26)					
		FMOSAJ6354	T1820P6					
		FMOSAM6354	T2030P6					
		FMOSAG6354	T3030P8					
		FMOSAC6354	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSK03P06	-60	-3	220	310	-	-	-	540	SC-59
FMOST03P06	-60	-3	220	310	-	-	-	540	SOT-223
FMOSL03P06	-60	-3	220	310	-	-	-	540	SOT-23-6(SOT-26)
FMOSAJ03P06	-60	-3	220	310	-	-	-	540	T1820P6
FMOSAM03P06	-60	-3	220	310	-	-	-	540	T2030P6
FMOSAG03P06	-60	-3	220	310	-	-	-	540	T3030P8
FMOSAC03O06	-60	-3	220	310	-	-	-	540	T5060P8
FMOST6354	-60	-4	100	135	-	-	-	950	SOT-223
FMOS2309B	-60	-4	180					850	SOT-23
FMOSL6354	-60	-4	100	135	-	-	-	950	SOT-23-6(SOT-26)
FMOSAJ6354	-60	-4	100	135	-	-	-	950	T1820P6
FMOSAM6354	-60	-4	100	135	-	-	-	950	T2030P6
FMOSAG6354	-60	-4	100	135	-	-	-	950	T3030P8
FMOSAC6354	-60	-4	100	135	-	-	-	950	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSU30P06A	-60	-30	30					2400	TO-252(DPAK)
FMOSU35P06	-60	-35	30	40	-	-	-	2595	TO-252(DPAK)
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSP80P06	-60	-80	23	-	-	-	-	4026	TO-220AB
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB
FMOSP70P10	-100	-70	30	-	-	-	-	2250	TO-220AB

OUTPUT: 5W IN=32V OUT=5V

Vin(V)=	32	Vout(V)=	5	Pout(W)=	5	Iout(A)=	1	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	32	Vr >=	64	Vr >=	64	Vc >=	5	
W >=	200	Io>=	0.20	If >=	2	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF33CA-MS	SOD-123S	FMOS002P10	SOT-23	FM2L100-MS	SOD-123S	SMF5.0CA-MS	SOD-123S	
		FMOS01P10	SOT-23	FM2100-MS	SOD-123S			
		FMOSK003P15	SC-59	FM2L100-S	SMA-S			
		FMOSK007P15	SC-59					
		FMOS002P20	SOT-23					
		FMOSK003P20	SC-59					
		FMOSL01P20	SOT-23-6(SOT-26)					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOS002P10	-100	-0.2	6000					85	SOT-23
FMOS01P10	-100	-1	650					553	SOT-23
FMOSK003P15	-150	-0.3	6000					78	SC-59
FMOSK007P15	-150	-0.7	3100	-	-	-	-	140	SC-59
FMOS002P20	-200	-0.2	10000					103	SOT-23
FMOSK003P20	-200	-0.3	9000					70	SC-59
FMOSL01P20	-200	-1	1400					557	SOT-23-6(SOT-26)

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSPFA17P10	-100	-17	110					1250	ITO-220AB
FMOSP17P10	-100	-17	110					1250	TO-220AB
FMOSD17P10	-100	-17	110					1250	TO-251
FMOSU17P10	-100	-17	110					1250	TO-252(DPAK)
FMOSP24P10	-100	-24	95	110	-	-	-	2250	TO-220AB
FMOSU24P10	-100	-24	95	110	-	-	-	2250	TO-252(DPAK)
FMOSP5210	-100	-40	60					3300	TO-220AB
FMOSPFA50P10	-100	-50	43	48	-	-	-	6315	ITO-220AB
FMOSP50P10	-100	-50	60	65	-	-	-	4200	TO-220AB
FMOSUC50P10	-100	-50	43	48	-	-	-	6315	TO-252(DPAK)
FMOSP70P10	-100	-70	30	-	-	-	-	2250	TO-220AB

OUTPUT: 10W IN=32V OUT=5V

Vin(V)=	32	Vout(V)=	5	Pout(W)=	10	Iout(A)=	2	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	32	Vr >=	64	Vr >=	64	Vc >=	5	
W >=	200	Io>=	0.39	If >=	3	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF33CA-MS	SOD-123S	FMOS01P10	SOT-23	FM3L100-S	SMA-S	SMF5.0CA-MS	SOD-123S	
		FMOSK007P15	SC-59	FM3100-MS	SOD-123S			
		FMOSL3437	SOT-23-6(SOT-26)					
		FMOSAC3437	T5060P8					
		FMOSL01P20	SOT-23-6(SOT-26)					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOS01P10	-100	-1	650					553	SOT-23
FMOSK007P15	-150	-0.7	3100	-	-	-	-	140	SC-59
FMOSL3437	-150	-1.4	750	-	-	-	-	500	SOT-23-6(SOT-26)
FMOSAC3437	-150	-1.4	750	-	-	-	-	500	T5060P8
FMOSL01P20	-200	-1	1400					557	SOT-23-6(SOT-26)

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSPFA17P10	-100	-17	110					1250	ITO-220AB
FMOSP17P10	-100	-17	110					1250	TO-220AB
FMOSD17P10	-100	-17	110					1250	TO-251
FMOSU17P10	-100	-17	110					1250	TO-252(DPAK)
FMOSP24P10	-100	-24	95	110	-	-	-	2250	TO-220AB
FMOSU24P10	-100	-24	95	110	-	-	-	2250	TO-252(DPAK)
FMOSP5210	-100	-40	60					3300	TO-220AB
FMOSPFA50P10	-100	-50	43	48	-	-	-	6315	ITO-220AB
FMOSP50P10	-100	-50	60	65	-	-	-	4200	TO-220AB
FMOSUC50P10	-100	-50	43	48	-	-	-	6315	TO-252(DPAK)
FMOSP70P10	-100	-70	30	-	-	-	-	2250	TO-220AB

OUTPUT: 50W IN=32V OUT=5V

Vin(V)=	32	Vout(V)=	5	Pout(W)=	50	Iout(A)=	10	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	32	Vr >=	64	Vr >=	64	Vc >=	5	
W >=	400	Io>=	1.95	If >=	15	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMAS33CA	SMA-S	FMOSU9120	TO-252(DPAK)	FM15100-T7B	TO-277B	SMF5.0CA-MS	SOD-123S	
		FMOSPFA9520S	ITO-220AB	FM15L80-T7B	TO-277B			
		FMOSB09P10	D2PAK(TO-263)	SKFM16100C-D2	D2PAK			
		FMOSQ09P10	SOP8(SOP-08)	MBR20L100CT	TO-220AB			
		FMOST09P10	SOT-223					
		FMOSP09P10	TO-220AB					
		FMOSD09P10	TO-251					
		FMOSU09P10	TO-252(DPAK)					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSU9120	-100	-6.6	480					350	TO-252(DPAK)
FMOSPFA9520S	-100	-6.8	600					390	ITO-220AB
FMOSB09P10	-100	-9.4	290					500	D2PAK(TO-263)
FMOSQ09P10	-100	-9.4	290					500	SOP8(SOP-08)
FMOST09P10	-100	-9.4	290					500	SOT-223
FMOSP09P10	-100	-9.4	290					500	TO-220AB
FMOSD09P10	-100	-9.4	290					500	TO-251
FMOSU09P10	-100	-9.4	290					500	TO-252(DPAK)

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSPFA17P10	-100	-17	110					1250	ITO-220AB
FMOSP17P10	-100	-17	110					1250	TO-220AB
FMOSD17P10	-100	-17	110					1250	TO-251
FMOSU17P10	-100	-17	110					1250	TO-252(DPAK)
FMOSP24P10	-100	-24	95	110	-	-	-	2250	TO-220AB
FMOSU24P10	-100	-24	95	110	-	-	-	2250	TO-252(DPAK)
FMOSP5210	-100	-40	60					3300	TO-220AB
FMOSPFA50P10	-100	-50	43	48	-	-	-	6315	ITO-220AB
FMOSP50P10	-100	-50	60	65	-	-	-	4200	TO-220AB
FMOSUC50P10	-100	-50	43	48	-	-	-	6315	TO-252(DPAK)
FMOSP70P10	-100	-70	30	-	-	-	-	2250	TO-220AB

OUTPUT: 5W IN=14V OUT=12V

Vin(V)=	14	Vout(V)=	12	Pout(W)=	5	Iout(A)=	0.42	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	14	Vr >=	28	Vr >=	28	Vc >=	12	
W >=	200	Io>=	0.45	If >=	0.625	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF14CA-MS	SOD-123S	FMOSK7401	SC-59	FM1L40-MS	SOD-123S	SMF12CA-MS	SOD-123S	
		FMOSG7401	SOT-323	SL14-MS	SOD-123S			
		FMOSAJ7401	T1820P6	LFM140-MS	SOD-123S			
		FMOSM7401	T2020P6	FM140-MS	SOD-123S			
		FMOSAP7401	T2020P8					
		FMOSAM7401	T2030P6					
		FMOSAG7401	T3030P8					
		FMOSAC7401	T5060P8					
		FMOSK02P06	SC-59					
		FMOST02P06	SOT-223					
		FMOSA02P06	SOT-89					
		FMOSAJ02P06	T1820P6					
		FMOSAP02P06	T2020P8					
		FMOSAM02P06	T2030P6					
		FMOSAG02P06	T3030P8					
		FMOSAC02P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSK7401	-30	-1.2	150	200	280	-	-	409	SC-59
FMOSG7401	-30	-1.2	150	200	280	-	-	409	SOT-323
FMOSAJ7401	-30	-1.2	150	200	280	-	-	409	T1820P6
FMOSM7401	-30	-1.2	150	200	280	-	-	409	T2020P6
FMOSAP7401	-30	-1.2	150	200	280	-	-	409	T2020P8
FMOSAM7401	-30	-1.2	150	200	280	-	-	409	T2030P6
FMOSAG7401	-30	-1.2	150	200	280	-	-	409	T3030P8
FMOSAC7401	-30	-1.2	150	200	280	-	-	409	T5060P8
FMOSK02P06	-60	-2	400	600	-	-	-	545	SC-59
FMOST02P06	-60	-2	400	600	-	-	-	545	SOT-223
FMOSA02P06	-60	-2	400	600	-	-	-	545	SOT-89
FMOSAJ02P06	-60	-2	400	600	-	-	-	545	T1820P6
FMOSAP02P06	-60	-2	400	600	-	-	-	545	T2020P8
FMOSAM02P06	-60	-2	400	600	-	-	-	545	T2030P6
FMOSAG02P06	-60	-2	400	600	-	-	-	545	T3030P8
FMOSAC02P06	-60	-2	400	600	-	-	-	545	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSQ12P03A	-30	-12.3	8					4330	TO-252(DPAK)
FMOSQ4407	-30	-13	9.5	15	-	-	-	3300	SOP8(SOP-08)
FMOSQ15P03	-30	-15	9					4320	TO-252(DPAK)
FMOSAB45P03	-30	-45	7.5					4650	T3333P8
FMOSAC45P03	-30	-45	10					3564	T5060P8
FMOSAG60P03	-30	-60	10	15				3630	T3030P8
FMOSAC75P03	-30	-75	10	12	-	-	-	5500	T5060P8
FMOSP75P03	-30	-75	10	12	-	-	-	5500	TO-220AB
FMOSD75P03	-30	-75	10	12	-	-	-	5500	TO-251
FMOSU75P03	-30	-75	10	12	-	-	-	5500	TO-252(DPAK)
FMOSP100P03	-30	-100	4.3	7.6	-	-	-	9500	TO-220AB

OUTPUT: 10W IN=14V OUT=12V

Vin(V)=	14	Vout(V)=	12	Pout(W)=	10	Iout(A)=	0.83	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	14	Vr >=	28	Vr >=	28	Vc >=	12	
W >=	200	Io>=	0.89	If >=	1.25	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF14CA-MS	SOD-123S	FMOSK7401	SC-59	FM2L40-AS	SMA-S	SMF12CA-MS	SOD-123S	
		FMOSG7401	SOT-323	SL24-AS	SMA-S			
		FMOSAJ7401	T1820P6	FM240-AS	SMA-S			
		FMOSM7401	T2020P6					
		FMOSAP7401	T2020P8					
		FMOSAM7401	T2030P6					
		FMOSAG7401	T3030P8					
		FMOSAC7401	T5060P8					
		FMOSK02P06	SC-59					
		FMOST02P06	SOT-223					
		FMOSA02P06	SOT-89					
		FMOSAJ02P06	T1820P6					
		FMOSAP02P06	T2020P8					
		FMOSAM02P06	T2030P6					
		FMOSAG02P06	T3030P8					
		FMOSAC02P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSK7401	-30	-1.2	150	200	280	-	-	409	SC-59
FMOSG7401	-30	-1.2	150	200	280	-	-	409	SOT-323
FMOSAJ7401	-30	-1.2	150	200	280	-	-	409	T1820P6
FMOSM7401	-30	-1.2	150	200	280	-	-	409	T2020P6
FMOSAP7401	-30	-1.2	150	200	280	-	-	409	T2020P8
FMOSAM7401	-30	-1.2	150	200	280	-	-	409	T2030P6
FMOSAG7401	-30	-1.2	150	200	280	-	-	409	T3030P8
FMOSAC7401	-30	-1.2	150	200	280	-	-	409	T5060P8
FMOSK02P06	-60	-2	400	600	-	-	-	545	SC-59
FMOST02P06	-60	-2	400	600	-	-	-	545	SOT-223
FMOSA02P06	-60	-2	400	600	-	-	-	545	SOT-89
FMOSAJ02P06	-60	-2	400	600	-	-	-	545	T1820P6
FMOSAP02P06	-60	-2	400	600	-	-	-	545	T2020P8
FMOSAM02P06	-60	-2	400	600	-	-	-	545	T2030P6
FMOSAG02P06	-60	-2	400	600	-	-	-	545	T3030P8
FMOSAC02P06	-60	-2	400	600	-	-	-	545	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSQ12P03A	-30	-12.3	8					4330	TO-252(DPAK)
FMOSQ4407	-30	-13	9.5	15	-	-	-	3300	SOP8(SOP-08)
FMOSQ15P03	-30	-15	9					4320	TO-252(DPAK)
FMOSAB45P03	-30	-45	7.5					4650	T3333P8
FMOSAC45P03	-30	-45	10					3564	T5060P8
FMOSAG60P03	-30	-60	10	15				3630	T3030P8
FMOSAC75P03	-30	-75	10	12	-	-	-	5500	T5060P8
FMOSP75P03	-30	-75	10	12	-	-	-	5500	TO-220AB
FMOSD75P03	-30	-75	10	12	-	-	-	5500	TO-251
FMOSU75P03	-30	-75	10	12	-	-	-	5500	TO-252(DPAK)
FMOSP100P03	-30	-100	4.3	7.6	-	-	-	9500	TO-220AB

OUTPUT: 50W IN=14V OUT=12V

Vin(V)=	14	Vout(V)=	12	Pout(W)=	50	Iout(A)=	4.17	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	14	Vr >=	28	Vr >=	28	Vc >=	12	
W >=	400	Io>=	4.46	If >=	6.25	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMAS14CA	SMA-S	FMOSK6401	SC-59	FM10L45-T3	SMC-T3	SMF12CA-MS	SOD-123S	
		FMOST6401	SOT-223	FM1045-T3	SMC-T3			
		FMOSL6401	SOT-23-6(SOT-26)	SKFM840Y-D	DPAK			
		FMOSAJ6401	T1820P6	MBR10L45CT	TO-220AB			
		FMOSAM6401	T2030P6					
		FMOSAG6401	T3030P8					
		FMOSAC6401	T5060P8					
		FMOSQ4953	TO-252(DPAK)					
		FMOSK9435HZ	SC-59					
		FMOSK9435H	SC-59					
		FMOSQ9435HZ	SOP8(SOP-08)					
		FMOSQ9435H	SOP8(SOP-08)					
		FMOST9435HZ	SOT-223					
		FMOST9435H	SOT-223					
		FMOSL9435HZ	SOT-23-6(SOT-26)					
		FMOSL9435H	SOT-23-6(SOT-26)					
		FMOSA9435HZ	SOT-89					
		FMOSAJ9435HZ	T1820P6					
		FMOSAM9435HZ	T2030P6					
		FMOSAP9435HZ	T3030P8					
		FMOSAC9435HZ	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSK6401	-30	-5	49	64	119	-	-	943	SC-59
FMOST6401	-30	-5	49	64	119	-	-	943	SOT-223
FMOSL6401	-30	-5	49	64	119	-	-	943	SOT-23-6(SOT-26)
FMOSAJ6401	-30	-5	49	64	119	-	-	943	T1820P6
FMOSAM6401	-30	-5	49	64	119	-	-	943	T2030P6
FMOSAG6401	-30	-5	49	64	119	-	-	943	T3030P8
FMOSAC6401	-30	-5	49	64	119	-	-	943	T5060P8
FMOSQ4953	-30	-5.1	55					580	TO-252(DPAK)
FMOSK9435HZ	-30	-5.3	55	135	-	-	-	600	SC-59
FMOSK9435H	-30	-5.3	50	90	-	-	-	880	SC-59
FMOSQ9435HZ	-30	-5.3	55	135	-	-	-	600	SOP8(SOP-08)
FMOSQ9435H	-30	-5.3	50	90	-	-	-	880	SOP8(SOP-08)
FMOST9435HZ	-30	-5.3	55	135	-	-	-	600	SOT-223
FMOST9435H	-30	-5.3	50	90	-	-	-	880	SOT-223
FMOSL9435HZ	-30	-5.3	55	135	-	-	-	600	SOT-23-6(SOT-26)
FMOSL9435H	-30	-5.3	50	90	-	-	-	880	SOT-23-6(SOT-26)
FMOSA9435HZ	-30	-5.3	55	135	-	-	-	600	SOT-89
FMOSAJ9435HZ	-30	-5.3	55	135	-	-	-	600	T1820P6
FMOSAM9435HZ	-30	-5.3	55	135	-	-	-	600	T2030P6
FMOSAP9435HZ	-30	-5.3	55	135	-	-	-	600	T3030P8
FMOSAC9435HZ	-30	-5.3	55	135	-	-	-	600	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSQ12P03A	-30	-12.3	8					4330	TO-252(DPAK)
FMOSQ4407	-30	-13	9.5	15	-	-	-	3300	SOP8(SOP-08)
FMOSQ15P03	-30	-15	9					4320	TO-252(DPAK)
FMOSAB45P03	-30	-45	7.5					4650	T3333P8
FMOSAC45P03	-30	-45	10					3564	T5060P8
FMOSAG60P03	-30	-60	10	15				3630	T3030P8
FMOSAC75P03	-30	-75	10	12	-	-	-	5500	T5060P8
FMOSP75P03	-30	-75	10	12	-	-	-	5500	TO-220AB
FMOSD75P03	-30	-75	10	12	-	-	-	5500	TO-251
FMOSU75P03	-30	-75	10	12	-	-	-	5500	TO-252(DPAK)
FMOSP100P03	-30	-100	4.3	7.6	-	-	-	9500	TO-220AB

OUTPUT: 5W IN=18V OUT=12V

Vin(V)=	18	Vout(V)=	12	Pout(W)=	5	Iout(A)=	0.42	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	18	Vr >=	36	Vr >=	36	Vc >=	12	
W >=	200	Io>=	0.35	If >=	0.625	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF18CA-MS	SOD-123S	FMOST2955	SOT-223	FM2L40-MS	SOD-123S	SMF12CA-MS	SOD-123S	
		FMOSU2955	TO-252(DPAK)	SL24-MS	SOD-123S			
		FMOSK02P06	SC-59	LFM240-MS	SOD-123S			
		FMOST02P06	SOT-223	FM240-MS	SOD-123S			
		FMOSA02P06	SOT-89					
		FMOSAJ02P06	T1820P6					
		FMOSAP02P06	T2020P8					
		FMOSAM02P06	T2030P6					
		FMOSAG02P06	T3030P8					
		FMOSAC02P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOST2955	-60	-1.7	185					492	SOT-223
FMOSU2955	-60	-1.7	185					492	TO-252(DPAK)
FMOSK02P06	-60	-2	400	600	-	-	-	545	SC-59
FMOST02P06	-60	-2	400	600	-	-	-	545	SOT-223
FMOSA02P06	-60	-2	400	600	-	-	-	545	SOT-89
FMOSAJ02P06	-60	-2	400	600	-	-	-	545	T1820P6
FMOSAP02P06	-60	-2	400	600	-	-	-	545	T2020P8
FMOSAM02P06	-60	-2	400	600	-	-	-	545	T2030P6
FMOSAG02P06	-60	-2	400	600	-	-	-	545	T3030P8
FMOSAC02P06	-60	-2	400	600	-	-	-	545	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSQ13P04	-40	-13	12	17	-	-	-	2900	SOP8(SOP-08)
FMOSQ50P04	-40	-50	15	25	-	-	-	3140	SOP8(SOP-08)
FMOSAC50P04	-40	-50	15	25	-	-	-	3140	T5060P8
FMOSU50P04	-40	-50	15	25	-	-	-	3140	TO-252(DPAK)
FMOSU52P04	-40	-52	13					3500	TO-252(DPAK)
FMOSP65P04	-40	-65	15	23	-	-	-	5400	TO-220AB
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB

OUTPUT: 10W IN=18V OUT=12V

Vin(V)=	18	Vout(V)=	12	Pout(W)=	10	Iout(A)=	0.83	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	18	Vr >=	36	Vr >=	36	Vc >=	12	
W >=	200	Io>=	0.69	If >=	1.25	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF18CA-MS	SOD-123S	FMOSU2955	TO-252(DPAK)	FM2L40-AS	SMA-S	SMF12CA-MS	SOD-123S	
		FMOSK02P06	SC-59	FM240-AS	SMA-S			
		FMOST02P06	SOT-223	SL24-AS	SMA-S			
		FMOSA02P06	SOT-89					
		FMOSAJ02P06	T1820P6					
		FMOSAP02P06	T2020P8					
		FMOSAM02P06	T2030P6					
		FMOSAG02P06	T3030P8					
		FMOSAC02P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSU2955	-60	-1.7	185					492	TO-252(DPAK)
FMOSK02P06	-60	-2	400	600	-	-	-	545	SC-59
FMOST02P06	-60	-2	400	600	-	-	-	545	SOT-223
FMOSA02P06	-60	-2	400	600	-	-	-	545	SOT-89
FMOSAJ02P06	-60	-2	400	600	-	-	-	545	T1820P6
FMOSAP02P06	-60	-2	400	600	-	-	-	545	T2020P8
FMOSAM02P06	-60	-2	400	600	-	-	-	545	T2030P6
FMOSAG02P06	-60	-2	400	600	-	-	-	545	T3030P8
FMOSAC02P06	-60	-2	400	600	-	-	-	545	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSQ13P04	-40	-13	12	17	-	-	-	2900	SOP8(SOP-08)
FMOSQ50P04	-40	-50	15	25	-	-	-	3140	SOP8(SOP-08)
FMOSAC50P04	-40	-50	15	25	-	-	-	3140	T5060P8
FMOSU50P04	-40	-50	15	25	-	-	-	3140	TO-252(DPAK)
FMOSU52P04	-40	-52	13					3500	TO-252(DPAK)
FMOSP65P04	-40	-65	15	23	-	-	-	5400	TO-220AB
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB

OUTPUT: 50W IN=18V OUT=12V

Vin(V)=	18	Vout(V)=	12	Pout(W)=	50	Iout(A)=	4.17	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	18	Vr >=	36	Vr >=	36	Vc >=	12	
W >=	400	Io>=	3.47	If >=	6.25	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMAS18CA	SMA-S	FMOSK04P04M	SC-59	FM10L45-T3	SMC-T3	SMF12CA-MS	SOD-123S	
		FMOSK05P04M	SC-59	FM1045-T3	SMC-T3			
		FMOSAG05P04M	T3030P8	SKFM840Y-D	DPAK			
		FMOST6354	SOT-223	MBR10L45CT	TO-220AB			
		FMOS2309B	SOT-23					
		FMOSL6354	SOT-23-6(SOT-26)					
		FMOSAJ6354	T1820P6					
		FMOSAM6354	T2030P6					
		FMOSAG6354	T3030P8					
		FMOSAC6354	T5060P8					
		FMOSQ4421	SOP8(SOP-08)					
		FMOSQ06P06	SOP8(SOP-08)					
		FMOSAC4421	T5060P8					
		FMOSAC06P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSK04P04M	-40	-4	110	150				380	SC-59
FMOSK05P04M	-40	-5	82	110	-	-	-	460	SC-59
FMOSAG05P04M	-40	-5	82	110	-	-	-	460	T3030P8
FMOST6354	-60	-4	100	135	-	-	-	950	SOT-223
FMOS2309B	-60	-4	180					850	SOT-23
FMOSL6354	-60	-4	100	135	-	-	-	950	SOT-23-6(SOT-26)
FMOSAJ6354	-60	-4	100	135	-	-	-	950	T1820P6
FMOSAM6354	-60	-4	100	135	-	-	-	950	T2030P6
FMOSAG6354	-60	-4	100	135	-	-	-	950	T3030P8
FMOSAC6354	-60	-4	100	135	-	-	-	950	T5060P8
FMOSQ4421	-60	-6.2	48	63	-	-	-	1500	SOP8(SOP-08)
FMOSQ06P06	-60	-6.2	48	63	-	-	-	950	SOP8(SOP-08)
FMOSAC4421	-60	-6.2	48	63	-	-	-	1500	T5060P8
FMOSAC06P06	-60	-6.2	48	63	-	-	-	950	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSQ13P04	-40	-13	12	17	-	-	-	2900	SOP8(SOP-08)
FMOSQ50P04	-40	-50	15	25	-	-	-	3140	SOP8(SOP-08)
FMOSAC50P04	-40	-50	15	25	-	-	-	3140	T5060P8
FMOSU50P04	-40	-50	15	25	-	-	-	3140	TO-252(DPAK)
FMOSU52P04	-40	-52	13					3500	TO-252(DPAK)
FMOSP65P04	-40	-65	15	23	-	-	-	5400	TO-220AB
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB

OUTPUT: 5W IN=24V OUT=12V

Vin(V)=	24	Vout(V)=	12	Pout(W)=	5	Iout(A)=	0.42	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	24	Vr >=	48	Vr >=	48	Vc >=	12	
W >=	200	Io>=	0.26	If >=	0.625	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF24CA-MS	SOD-123S	FMOST2955	SOT-223	FM2L60-MS	SOD-123S	SMF12CA-MS	SOD-123S	
		FMOSU2955	TO-252(DPAK)	FM260-MS	SOD-123S			
		FMOSK02P06	SC-59					
		FMOST02P06	SOT-223					
		FMOSA02P06	SOT-89					
		FMOSAJ02P06	T1820P6					
		FMOSAP02P06	T2020P8					
		FMOSAM02P06	T2030P6					
		FMOSAG02P06	T3030P8					
		FMOSAC02P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOST2955	-60	-1.7	185					492	SOT-223
FMOSU2955	-60	-1.7	185					492	TO-252(DPAK)
FMOSK02P06	-60	-2	400	600	-	-	-	545	SC-59
FMOST02P06	-60	-2	400	600	-	-	-	545	SOT-223
FMOSA02P06	-60	-2	400	600	-	-	-	545	SOT-89
FMOSAJ02P06	-60	-2	400	600	-	-	-	545	T1820P6
FMOSAP02P06	-60	-2	400	600	-	-	-	545	T2020P8
FMOSAM02P06	-60	-2	400	600	-	-	-	545	T2030P6
FMOSAG02P06	-60	-2	400	600	-	-	-	545	T3030P8
FMOSAC02P06	-60	-2	400	600	-	-	-	545	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSU30P06A	-60	-30	30					2400	TO-252(DPAK)
FMOSU35P06	-60	-35	30	40	-	-	-	2595	TO-252(DPAK)
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSP80P06	-60	-80	23	-	-	-	-	4026	TO-220AB
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB

OUTPUT: 10W IN=24V OUT=12V

Vin(V)=	24	Vout(V)=	12	Pout(W)=	10	Iout(A)=	0.83	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	24	Vr >=	48	Vr >=	48	Vc >=	12	
W >=	200	Io>=	0.52	If >=	1.25	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF24CA-MS	SOD-123S	FMOST2955	SOT-223	FM2L60-AS	SMA-S	SMF12CA-MS	SOD-123S	
		FMOSU2955	TO-252(DPAK)	FM260-AS	SMA-S			
		FMOSK02P06	SC-59					
		FMOST02P06	SOT-223					
		FMOSA02P06	SOT-89					
		FMOSAJ02P06	T1820P6					
		FMOSAP02P06	T2020P8					
		FMOSAM02P06	T2030P6					
		FMOSAG02P06	T3030P8					
		FMOSAC02P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOST2955	-60	-1.7	185					492	SOT-223
FMOSU2955	-60	-1.7	185					492	TO-252(DPAK)
FMOSK02P06	-60	-2	400	600	-	-	-	545	SC-59
FMOST02P06	-60	-2	400	600	-	-	-	545	SOT-223
FMOSA02P06	-60	-2	400	600	-	-	-	545	SOT-89
FMOSAJ02P06	-60	-2	400	600	-	-	-	545	T1820P6
FMOSAP02P06	-60	-2	400	600	-	-	-	545	T2020P8
FMOSAM02P06	-60	-2	400	600	-	-	-	545	T2030P6
FMOSAG02P06	-60	-2	400	600	-	-	-	545	T3030P8
FMOSAC02P06	-60	-2	400	600	-	-	-	545	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSU30P06A	-60	-30	30					2400	TO-252(DPAK)
FMOSU35P06	-60	-35	30	40	-	-	-	2595	TO-252(DPAK)
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSP80P06	-60	-80	23	-	-	-	-	4026	TO-220AB
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB

OUTPUT: 50W IN=24V OUT=12V

Vin(V)=	24	Vout(V)=	12	Pout(W)=	50	Iout(A)=	4.17	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	24	Vr >=	48	Vr >=	48	Vc >=	12	
W >=	400	Io>=	2.60	If >=	6.25	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMAS24CA	SMA-S	FMOSK03P06	SC-59	FM1060-T3	SMC-T3	SMF12CA-MS	SOD-123S	
		FMOST03P06	SOT-223	SKFM860Y-D	DPAK			
		FMOSL03P06	SOT-23-6(SOT-26)	MBR10L60CT	TO-220AB			
		FMOSAJ03P06	T1820P6					
		FMOSAM03P06	T2030P6					
		FMOSAG03P06	T3030P8					
		FMOSAC03O06	T5060P8					
		FMOST6354	SOT-223					
		FMOS2309B	SOT-23					
		FMOSL6354	SOT-23-6(SOT-26)					
		FMOSAJ6354	T1820P6					
		FMOSAM6354	T2030P6					
		FMOSAG6354	T3030P8					
		FMOSAC6354	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSK03P06	-60	-3	220	310	-	-	-	540	SC-59
FMOST03P06	-60	-3	220	310	-	-	-	540	SOT-223
FMOSL03P06	-60	-3	220	310	-	-	-	540	SOT-23-6(SOT-26)
FMOSAJ03P06	-60	-3	220	310	-	-	-	540	T1820P6
FMOSAM03P06	-60	-3	220	310	-	-	-	540	T2030P6
FMOSAG03P06	-60	-3	220	310	-	-	-	540	T3030P8
FMOSAC03O06	-60	-3	220	310	-	-	-	540	T5060P8
FMOST6354	-60	-4	100	135	-	-	-	950	SOT-223
FMOS2309B	-60	-4	180					850	SOT-23
FMOSL6354	-60	-4	100	135	-	-	-	950	SOT-23-6(SOT-26)
FMOSAJ6354	-60	-4	100	135	-	-	-	950	T1820P6
FMOSAM6354	-60	-4	100	135	-	-	-	950	T2030P6
FMOSAG6354	-60	-4	100	135	-	-	-	950	T3030P8
FMOSAC6354	-60	-4	100	135	-	-	-	950	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSU30P06A	-60	-30	30					2400	TO-252(DPAK)
FMOSU35P06	-60	-35	30	40	-	-	-	2595	TO-252(DPAK)
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSP80P06	-60	-80	23	-	-	-	-	4026	TO-220AB
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB

OUTPUT: 5W IN=28V OUT=12V

Vin(V)=	28	Vout(V)=	12	Pout(W)=	5	Iout(A)=	0.42	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	28	Vr >=	56	Vr >=	56	Vc >=	12	
W >=	200	Io>=	0.22	If >=	0.625	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF28CA-MS	SOD-123S	FMOST2955	SOT-223	FM2L60-MS	SOD-123S	SMF12CA-MS	SOD-123S	
		FMOSU2955	TO-252(DPAK)	FM260-MS	SOD-123S			
		FMOSK02P06	SC-59					
		FMOST02P06	SOT-223					
		FMOSA02P06	SOT-89					
		FMOSAJ02P06	T1820P6					
		FMOSAP02P06	T2020P8					
		FMOSAM02P06	T2030P6					
		FMOSAG02P06	T3030P8					
		FMOSAC02P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOST2955	-60	-1.7	185					492	SOT-223
FMOSU2955	-60	-1.7	185					492	TO-252(DPAK)
FMOSK02P06	-60	-2	400	600	-	-	-	545	SC-59
FMOST02P06	-60	-2	400	600	-	-	-	545	SOT-223
FMOSA02P06	-60	-2	400	600	-	-	-	545	SOT-89
FMOSAJ02P06	-60	-2	400	600	-	-	-	545	T1820P6
FMOSAP02P06	-60	-2	400	600	-	-	-	545	T2020P8
FMOSAM02P06	-60	-2	400	600	-	-	-	545	T2030P6
FMOSAG02P06	-60	-2	400	600	-	-	-	545	T3030P8
FMOSAC02P06	-60	-2	400	600	-	-	-	545	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSU30P06A	-60	-30	30					2400	TO-252(DPAK)
FMOSU35P06	-60	-35	30	40	-	-	-	2595	TO-252(DPAK)
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSP80P06	-60	-80	23	-	-	-	-	4026	TO-220AB
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB
FMOSP70P10	-100	-70	30	-	-	-	-	2250	TO-220AB

OUTPUT: 10W IN=28V OUT=12V

Vin(V)=	28	Vout(V)=	12	Pout(W)=	10	Iout(A)=	0.83	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	28	Vr >=	56	Vr >=	56	Vc >=	12	
W >=	200	Io>=	0.45	If >=	1.25	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF28CA-MS	SOD-123S	FMOST2955	SOT-223	FM2L60-AS	SMA-S	SMF12CA-MS	SOD-123S	
		FMOSU2955	TO-252(DPAK)	FM260-AS	SMA-S			
		FMOSK02P06	SC-59					
		FMOST02P06	SOT-223					
		FMOSA02P06	SOT-89					
		FMOSAJ02P06	T1820P6					
		FMOSAP02P06	T2020P8					
		FMOSAM02P06	T2030P6					
		FMOSAG02P06	T3030P8					
		FMOSAC02P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOST2955	-60	-1.7	185					492	SOT-223
FMOSU2955	-60	-1.7	185					492	TO-252(DPAK)
FMOSK02P06	-60	-2	400	600	-	-	-	545	SC-59
FMOST02P06	-60	-2	400	600	-	-	-	545	SOT-223
FMOSA02P06	-60	-2	400	600	-	-	-	545	SOT-89
FMOSAJ02P06	-60	-2	400	600	-	-	-	545	T1820P6
FMOSAP02P06	-60	-2	400	600	-	-	-	545	T2020P8
FMOSAM02P06	-60	-2	400	600	-	-	-	545	T2030P6
FMOSAG02P06	-60	-2	400	600	-	-	-	545	T3030P8
FMOSAC02P06	-60	-2	400	600	-	-	-	545	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSU30P06A	-60	-30	30					2400	TO-252(DPAK)
FMOSU35P06	-60	-35	30	40	-	-	-	2595	TO-252(DPAK)
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSP80P06	-60	-80	23	-	-	-	-	4026	TO-220AB
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB
FMOSP70P10	-100	-70	30	-	-	-	-	2250	TO-220AB

OUTPUT: 50W IN=28V OUT=12V

Vin(V)=	28	Vout(V)=	12	Pout(W)=	50	Iout(A)=	4.17	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	28	Vr >=	56	Vr >=	56	Vc >=	12	
W >=	400	Io>=	2.23	If >=	6.25	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMAS28CA	SMA-S	FMOSK03P06	SC-59	FM1060-T3	SMC-T3	SMF12CA-MS	SOD-123S	
		FMOST03P06	SOT-223	SKFM860Y-D	DPAK			
		FMOSL03P06	SOT-23-6(SOT-26)	MBR10L60CT	TO-220AB			
		FMOSAJ03P06	T1820P6					
		FMOSAM03P06	T2030P6					
		FMOSAG03P06	T3030P8					
		FMOSAC03O06	T5060P8					
		FMOST6354	SOT-223					
		FMOS2309B	SOT-23					
		FMOSL6354	SOT-23-6(SOT-26)					
		FMOSAJ6354	T1820P6					
		FMOSAM6354	T2030P6					
		FMOSAG6354	T3030P8					
		FMOSAC6354	T5060P8					
		FMOSQ4421	SOP8(SOP-08)					
		FMOSQ06P06	SOP8(SOP-08)					
		FMOSAC4421	T5060P8					
		FMOSAC06P06	T5060P8					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSK03P06	-60	-3	220	310	-	-	-	540	SC-59
FMOST03P06	-60	-3	220	310	-	-	-	540	SOT-223
FMOSL03P06	-60	-3	220	310	-	-	-	540	SOT-23-6(SOT-26)
FMOSAJ03P06	-60	-3	220	310	-	-	-	540	T1820P6
FMOSAM03P06	-60	-3	220	310	-	-	-	540	T2030P6
FMOSAG03P06	-60	-3	220	310	-	-	-	540	T3030P8
FMOSAC03O06	-60	-3	220	310	-	-	-	540	T5060P8
FMOST6354	-60	-4	100	135	-	-	-	950	SOT-223
FMOS2309B	-60	-4	180					850	SOT-23
FMOSL6354	-60	-4	100	135	-	-	-	950	SOT-23-6(SOT-26)
FMOSAJ6354	-60	-4	100	135	-	-	-	950	T1820P6
FMOSAM6354	-60	-4	100	135	-	-	-	950	T2030P6
FMOSAG6354	-60	-4	100	135	-	-	-	950	T3030P8
FMOSAC6354	-60	-4	100	135	-	-	-	950	T5060P8
FMOSQ4421	-60	-6.2	48	63	-	-	-	1500	SOP8(SOP-08)
FMOSQ06P06	-60	-6.2	48	63	-	-	-	950	SOP8(SOP-08)
FMOSAC4421	-60	-6.2	48	63	-	-	-	1500	T5060P8
FMOSAC06P06	-60	-6.2	48	63	-	-	-	950	T5060P8

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSU30P06A	-60	-30	30					2400	TO-252(DPAK)
FMOSU35P06	-60	-35	30	40	-	-	-	2595	TO-252(DPAK)
FMOSB50P06	-60	-50	15	20	-	-	-	7000	D2PAK(TO-263)
FMOSP50P06	-60	-50	15	20	-	-	-	7000	TO-220AB
FMOSU50P06	-60	-50	15	20	-	-	-	7000	TO-252(DPAK)
FMOSC50P06	-60	-50	15	20	-	-	-	7000	TO-262
FMOSP80P06	-60	-80	23	-	-	-	-	4026	TO-220AB
FMOSB120P06	-60	-120	9	-	-	-	-	12000	D2PAK(TO-263)
FMOSP120P06	-60	-120	9	-	-	-	-	12000	TO-220AB
FMOSP70P10	-100	-70	30	-	-	-	-	2250	TO-220AB

OUTPUT: 5W IN=32V OUT=12V

Vin(V)=	32	Vout(V)=	12	Pout(W)=	5	Iout(A)=	0.42	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	32	Vr >=	64	Vr >=	64	Vc >=	12	
W >=	200	Io>=	0.20	If >=	0.83	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF33CA-MS	SOD-123S	FMOS002P10	SOT-23	FM2L100-MS	SOD-123S	SMF12CA-MS	SOD-123S	
		FMOS01P10	SOT-23	FM2100-MS	SOD-123S			
		FMOSK003P15	SC-59	FM2L100-S	SMA-S			
		FMOSK007P15	SC-59					
		FMOS002P20	SOT-23					
		FMOSK003P20	SC-59					
		FMOSL01P20	SOT-23-6(SOT-26)					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOS002P10	-100	-0.2	6000					85	SOT-23
FMOS01P10	-100	-1	650					553	SOT-23
FMOSK003P15	-150	-0.3	6000					78	SC-59
FMOSK007P15	-150	-0.7	3100	-	-	-	-	140	SC-59
FMOS002P20	-200	-0.2	10000					103	SOT-23
FMOSK003P20	-200	-0.3	9000					70	SC-59
FMOSL01P20	-200	-1	1400					557	SOT-23-6(SOT-26)

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSPPFA17P10	-100	-17	110					1250	ITO-220AB
FMOSP17P10	-100	-17	110					1250	TO-220AB
FMOSD17P10	-100	-17	110					1250	TO-251
FMOSU17P10	-100	-17	110					1250	TO-252(DPAK)
FMOSP24P10	-100	-24	95	110	-	-	-	2250	TO-220AB
FMOSU24P10	-100	-24	95	110	-	-	-	2250	TO-252(DPAK)
FMOSP5210	-100	-40	60					3300	TO-220AB
FMOSPPFA50P10	-100	-50	43	48	-	-	-	6315	ITO-220AB
FMOSP50P10	-100	-50	60	65	-	-	-	4200	TO-220AB
FMOSUC50P10	-100	-50	43	48	-	-	-	6315	TO-252(DPAK)
FMOSP70P10	-100	-70	30	-	-	-	-	2250	TO-220AB

OUTPUT: 10W IN=32V OUT=12V

Vin(V)=	32	Vout(V)=	12	Pout(W)=	10	Iout(A)=	0.83	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	32	Vr >=	64	Vr >=	64	Vc >=	12	
W >=	200	Io>=	0.39	If >=	1.25	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMF33CA-MS	SOD-123S	FMOS01P10	SOT-23	FM2L100-S	SMA-S	SMF12CA-MS	SOD-123S	
		FMOSK007P15	SC-59	FM2100-MS	SOD-123S			
		FMOSL3437	SOT-23-6(SOT-26)					
		FMOSAC3437	T5060P8					
		FMOSL01P20	SOT-23-6(SOT-26)					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOS01P10	-100	-1	650					553	SOT-23
FMOSK007P15	-150	-0.7	3100	-	-	-	-	140	SC-59
FMOSL3437	-150	-1.4	750	-	-	-	-	500	SOT-23-6(SOT-26)
FMOSAC3437	-150	-1.4	750	-	-	-	-	500	T5060P8
FMOSL01P20	-200	-1	1400					557	SOT-23-6(SOT-26)

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSPFA17P10	-100	-17	110					1250	TO-220AB
FMOSP17P10	-100	-17	110					1250	TO-220AB
FMOSD17P10	-100	-17	110					1250	TO-251
FMOSU17P10	-100	-17	110					1250	TO-252(DPAK)
FMOSP24P10	-100	-24	95	110	-	-	-	2250	TO-220AB
FMOSU24P10	-100	-24	95	110	-	-	-	2250	TO-252(DPAK)
FMOSP5210	-100	-40	60					3300	TO-220AB
FMOSPFA50P10	-100	-50	43	48	-	-	-	6315	TO-220AB
FMOSP50P10	-100	-50	60	65	-	-	-	4200	TO-220AB
FMOSUC50P10	-100	-50	43	48	-	-	-	6315	TO-252(DPAK)
FMOSP70P10	-100	-70	30	-	-	-	-	2250	TO-220AB

OUTPUT: 50W IN=32V OUT=12V

Vin(V)=	32	Vout(V)=	12	Pout(W)=	50	Iout(A)=	4.17	Eff=0.8
TVS1		MOSFET-PCH		SKY DIODE		TVS2		
Vc >=	32	Vr >=	64	Vr >=	64	Vc >=	12	
W >=	400	Io>=	1.95	If >=	6.25	W >=	200	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
SMAS33CA	SMA-S	FMOSU9120	TO-252(DPAK)	FM10100-T3	SMC-T3	SMF12CA-MS	SOD-123S	
		FMOSPFA9520S	ITO-220AB	SKFM8100Y-D	DPAK			
		FMOSB09P10	D2PAK(TO-263)	MBR10L100CT	TO-220AB			
		FMOSQ09P10	SOP8(SOP-08)					
		FMOST09P10	SOT-223					
		FMOSP09P10	TO-220AB					
		FMOSD09P10	TO-251					
		FMOSU09P10	TO-252(DPAK)					

General MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSU9120	-100	-6.6	480					350	TO-252(DPAK)
FMOSPFA9520S	-100	-6.8	600					390	ITO-220AB
FMOSB09P10	-100	-9.4	290					500	D2PAK(TO-263)
FMOSQ09P10	-100	-9.4	290					500	SOP8(SOP-08)
FMOST09P10	-100	-9.4	290					500	SOT-223
FMOSP09P10	-100	-9.4	290					500	TO-220AB
FMOSD09P10	-100	-9.4	290					500	TO-251
FMOSU09P10	-100	-9.4	290					500	TO-252(DPAK)

Low RDSON MOSFET

P/N	VDSS(V)	ID(A)	RDS(ON) 10V	RDS(ON) 4.5V	RDS(ON) 2.5V	RDS(ON) 1.8V	RDS(ON) 1.5V	CISS	Package
FMOSPFA17P10	-100	-17	110					1250	ITO-220AB
FMOSP17P10	-100	-17	110					1250	TO-220AB
FMOSD17P10	-100	-17	110					1250	TO-251
FMOSU17P10	-100	-17	110					1250	TO-252(DPAK)
FMOSP24P10	-100	-24	95	110	-	-	-	2250	TO-220AB
FMOSU24P10	-100	-24	95	110	-	-	-	2250	TO-252(DPAK)
FMOSP5210	-100	-40	60					3300	TO-220AB
FMOSPFA50P10	-100	-50	43	48	-	-	-	6315	ITO-220AB
FMOSP50P10	-100	-50	60	65	-	-	-	4200	TO-220AB
FMOSUC50P10	-100	-50	43	48	-	-	-	6315	TO-252(DPAK)
FMOSP70P10	-100	-70	30	-	-	-	-	2250	TO-220AB