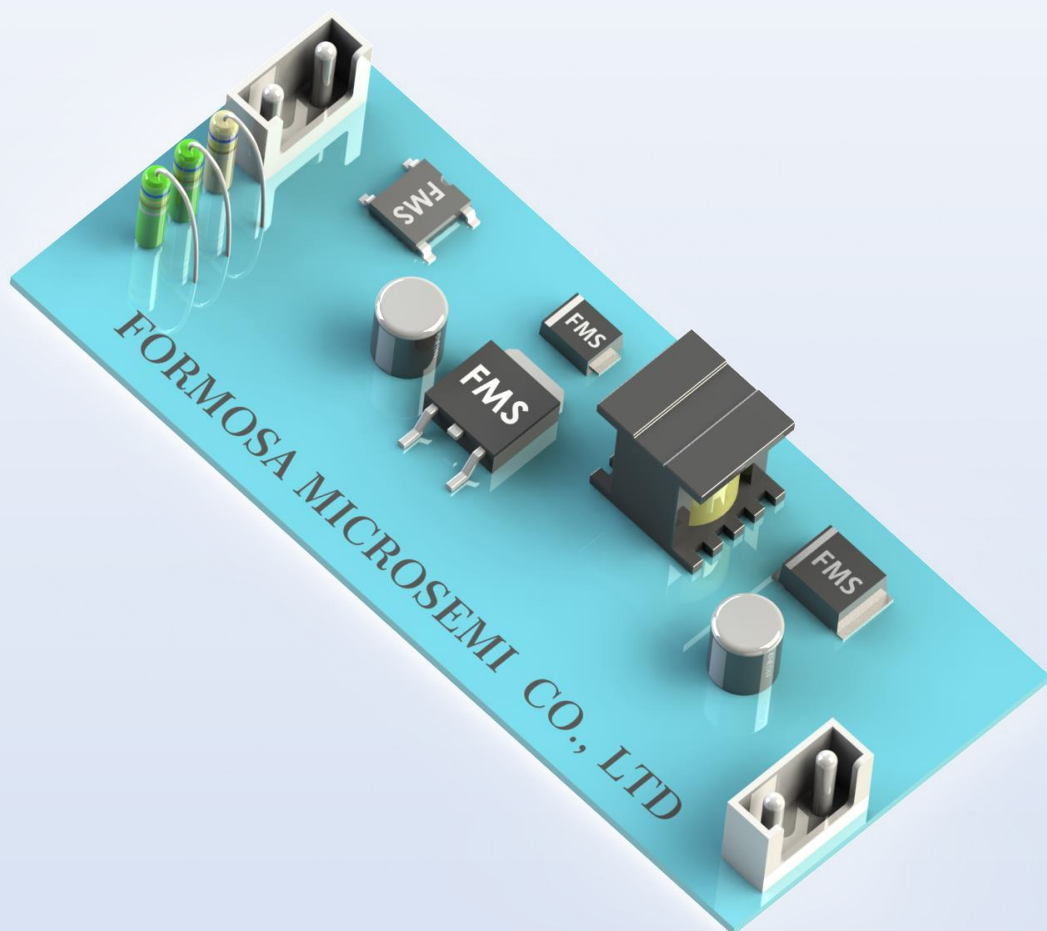


絕緣型返馳式轉換器電源 應用導引參考手冊





Formosa Microsemi CO.,LTD.

電源應用 導引手冊

- 品質至上
- 服務優先
- 顧客滿意
- 持續改善

成立時間： 1996 年 7月

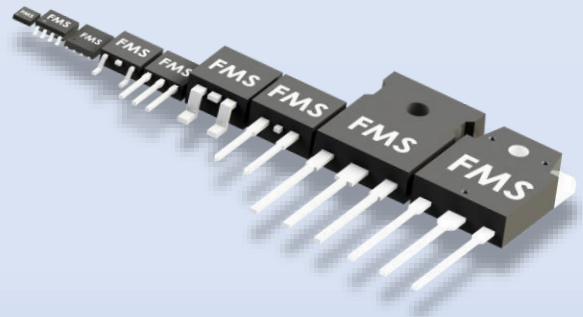
營運中心： 台北,台灣

主力研發： 功率/保護/整流/低功耗/快速切換/低導通

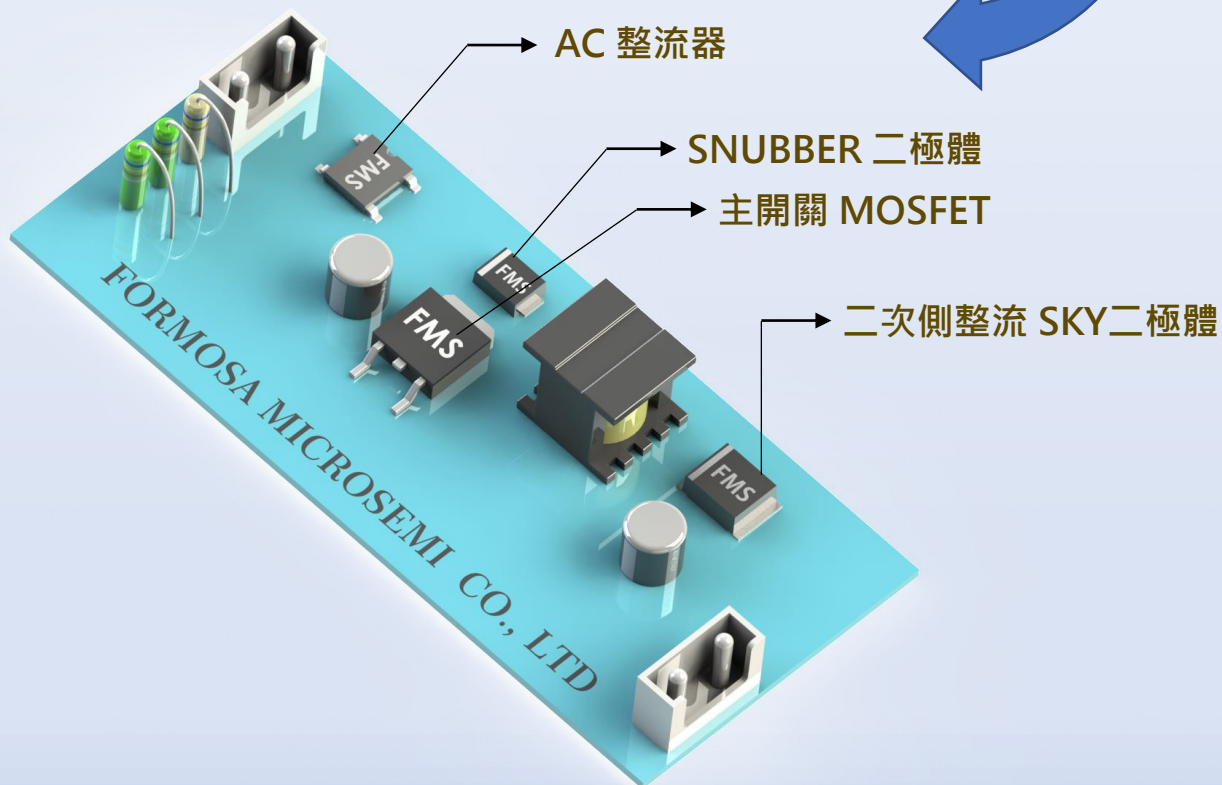
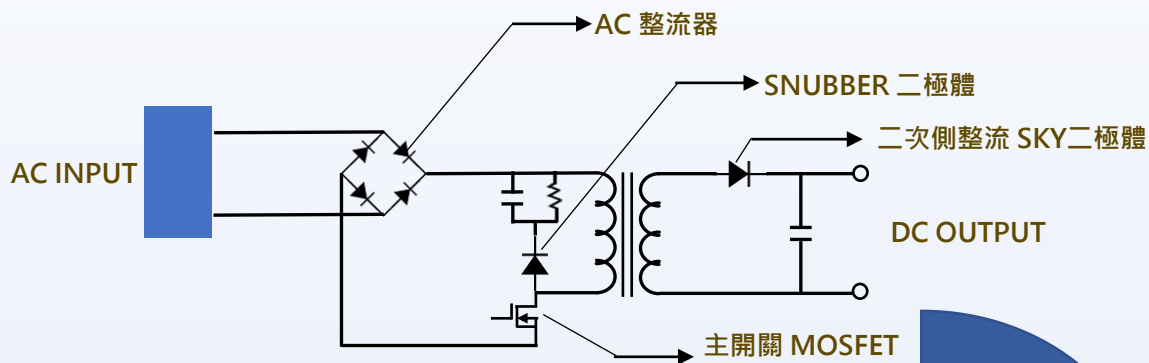
生產產品： **MOSFETs/ESD/TVS/Diode/Zener**

實施品質認證，創造顧客滿意

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



針對業界有關絕緣型返馳式轉換器電源的處理應用,美麗微公司在支援上分為4大種類,有AC 整流功能、SNUBBER緩衝二極體、主電流開關MOSFET、變壓器二次側整流用二極體。



電源供應器不同功率下需求元件建議



OUTPUT: 5V 5~100W



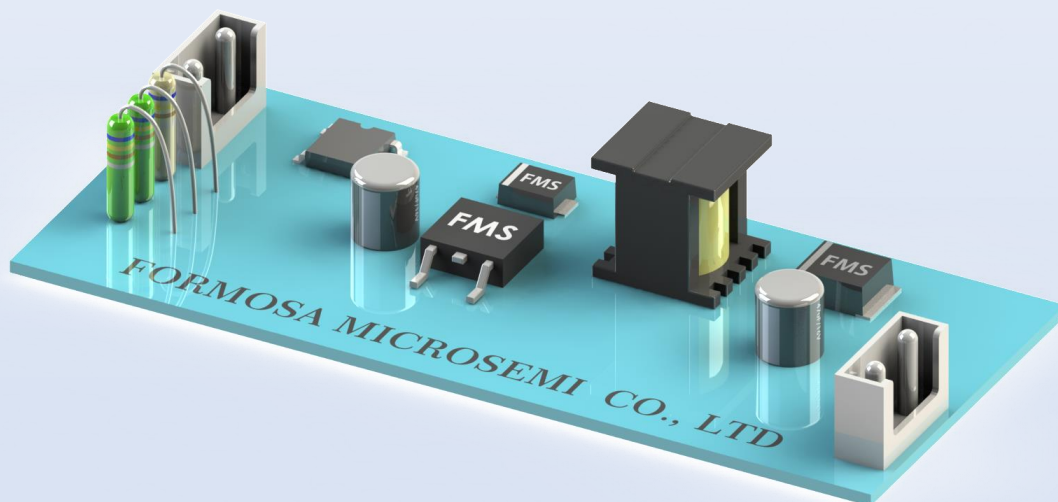
OUTPUT: 12V 5~100W




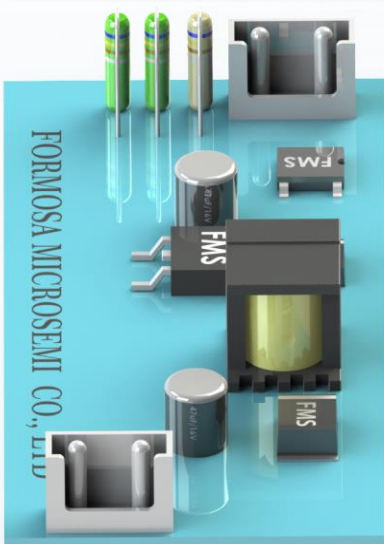
OUTPUT: 24V 10~150W



OUTPUT: 48V 50~200W




 **OUTPUT: 5V 5~100W**





- OUTPUT: 5V 5W
- OUTPUT: 5V 10W
- OUTPUT: 5V 20W
- OUTPUT: 5V 30W
- OUTPUT: 5V 50W
- OUTPUT: 5V 75W
- OUTPUT: 5V 100W


OUTPUT: 5V 5W


AC in(min)= 85		AC in(max)= 264		Pout(W)= 5		Vout(V)= 5		lout(A)= 1	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr > 813		Vr > 813		Vds > 813		Vr > 37			
Io > 0.20		Io -		Id > 0.20		Io > 1.20			
Ipk > 0.36		Ipk -		Ipk > 0.36		Ipk > 4.16			
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
B10S	MDS	HFM107-MS	SOD-123S	FMOSD01N80	TO-251	FM2L40-N	SOD-323		
MB10S	MDS	HFM107-S	SMA-S	FMOSU01N80	TO-252	SL24-S	SMA-S		
DF10S	DFS/DBS			FMOSD01N90	TO-251	SL24-HST	SMA-HST		
FM4007-MS	SOD-123S			FMOSU01N90	TO-252				
FM4007-S	SMA-S								



MDS



DFS



DBS



TO-251


TO-252


SMA-HST



SMA-S



SOD-123S



SOD-323


OUTPUT: 5V 10W


AC in(min)= 85		AC in(max)= 264		Pout(W)= 10		Vout(V)= 5		lout(A)= 2	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr > 813		Vr > 813		Vds > 813		Vr > 37			
Io > 0.40		Io -		Id > 0.40		Io > 2.40			
Ipk > 0.71		Ipk -		Ipk > 0.71		Ipk > 8.33			
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
B10S	MDS	HFM107-MS	SOD-123S	FMOSD01N80	TO-251	FM340-AS	SMA-S		
MB10S	MDS	HFM107-S	SMA-S	FMOSU01N80	TO-252	FM3L40-AS	SMA-S		
DF10S	DFS/DBS			FMOSD01N90	TO-251				
FM4007-MS	SOD-123S			FMOSU01N90	TO-252				
FM4007-S	SMA-S								



MDS



DFS


DBS


TO-251


TO-252


SMA-S


SOD-123S

OUTPUT: 5V 20W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 20		Vout(V)= 5		lout(A)= 4	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr > 813		Vr > 813		Vds > 813		Vr > 37			
Io > 0.79		Io -		Id > 0.79		Io > 4.80			
Ipk > 1.43		Ipk -		Ipk > 1.43		Ipk > 16.66			
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
DF1510S	DFS	HFM107-MS	SOD-123S	FMOSD02N80	TO-251	FM5L40-AS	SMA-S		
DB157S	DBS	HFM107-S	SMA-S	FMOSU02N80	TO-252	FM5L40-AS	SMA-S		
DF210S	DFS			FMOSD02N90	TO-251				
DB207S	DBS			FMOSU02N90	TO-252				
FM207-BS	SMB-S								
FM207-S	SMA-S								




OUTPUT: 5V 30W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 30		Vout(V)= 5		lout(A)= 6	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr > 813		Vr > 813		Vds > 813		Vr > 37			
Io > 1.19		Io -		Id > 1.19		Io > 7.20			
Ipk > 2.14		Ipk -		Ipk > 2.14		Ipk > 24.99			
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
DF1510S	DFS	HFM207-S	SMA-S	FMOSD03N80	TO-251	FM1040-T3	SMC-T3		
DB157S	DBS	HFM207-BS	SMB-S	FMOSU03N80	TO-252	FM840-T7B	TO-277B		
DF210S	DFS			FMOSD03N90	TO-251				
DB207S	DBS			FMOSU03N90	TO-252				
FM207-BS	SMB-S								
FM207-S	SMA-S								




OUTPUT: 5V 50W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 50		Vout(V)= 5		lout(A)= 10	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr > 813		Vr > 813		Vds > 813		Vr > 37			
Io > 1.98		Io -		Id > 1.98		Io > 12.00			
Ipk > 3.57		Ipk -		Ipk > 3.57		Ipk > 41.65			
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
DF210S	DFS	HFM207-S	SMA-S	FMOSD04N80	TO-251	FM1240-T7B	TO-277B		
DB207S	DBS	HFM207-BS	SMB-S	FMOSU04N80	TO-252	FM15L40-T7B	TO-277B		
FM207-BS	SMB-S			FMOSD04N90	TO-251				
FM207-S	SMA-S			FMOSU04N90	TO-252				

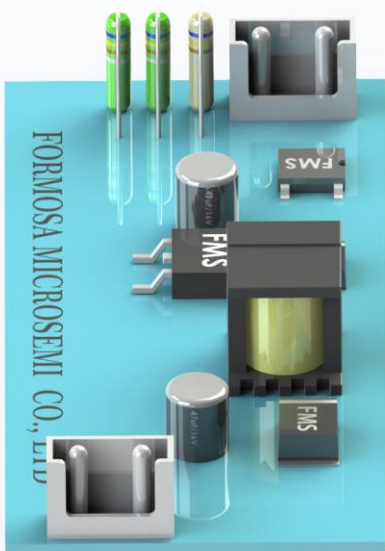
OUTPUT: 5V 75W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 75		Vout(V)= 5		Iout(A)= 15	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr >	813	Vr >	813	Vds >	813	Vr >	37		
Io >	2.97	Io	-	Id >	2.97	Io >	18.00		
Ipk >	5.35	Ipk	-	Ipk >	5.35	Ipk >	62.47		
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
KBP310G	KBP	HFM307-AS	SMA-S	FMOSD06N80	TO-251	SKFM2040C-D2	TO-263		
BR310	KBPC-3	HFM307-BS	SMB-S	FMOSU06N80	TO-252	MBR20L45CT	TO-220AB		
		HFM307	SMC	FMOSD06N90	TO-251				
				FMOSU06N90	TO-252				

OUTPUT: 5V 100W







AC in(min)= 85		AC in(max)= 264		Pout(W)= 100		Vout(V)= 5		Iout(A)= 20	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr >	813	Vr >	813	Vds >	813	Vr >	37		
Io >	3.97	Io	-	Id >	3.97	Io >	24.00		
Ipk >	7.14	Ipk	-	Ipk >	7.14	Ipk >	83.29		
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
GBU4M	GBU	HFM307	SMC	FMOSPFA08N80	TO-263	MBR30L45CT	TO-220AB		
KBU410	KBU	HFM307-BS	SMB-S	FMOSP08N80A	TO-220AB	MBR30L45FCT	TO-220AB		
GBL4M	GBL	HFM307-AS	SMA-S	FMOSPFA08N90	TO-263				
GBJ4M	4GBJ			FMOSP08N90	TO-220AB				

 **OUTPUT: 12V 5~100W**










- OUTPUT: 12V 5W
- OUTPUT: 12V 10W
- OUTPUT: 12V 20W
- OUTPUT: 12V 30W
- OUTPUT: 12V 50W
- OUTPUT: 12V 75W
- OUTPUT: 12V 100W

OUTPUT: 12V 5W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 5		Vout(V)= 12		Iout(A)= 0.4	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode		 MDS  DFS  DBS	
Vr > 813		Vr > 813		Vds > 813		Vr > 81			
Io > 0.20		Io -		Id > 0.20		Io > 0.50			
Ipk > 0.32		Ipk -		Ipk > 0.32		Ipk > 1.74		 TO-251  TO-252  SMA-S	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
B10S	MDS	HFM107-MS	SOD-123S	FMOSD01N80	TO-251	SL110-MS	SOD-123S	 SOD-123S	
MB10S	MDS	HFM107-S	SMA-S	FMOSU01N80	TO-252	FM1100-MS	SOD-123S		
DF10S	DFS/DBS			FMOSD01N90	TO-251	FM1100-S	SMA-S		
FM4007-MS	SOD-123S			FMOSU01N90	TO-252				

OUTPUT: 12V 10W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 10		Vout(V)= 12		Iout(A)= 0.8	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode		 MDS  DFS  DBS	
Vr > 813		Vr > 813		Vds > 813		Vr > 81			
Io > 0.40		Io -		Id > 0.40		Io > 1.00			
Ipk > 0.64		Ipk -		Ipk > 0.64		Ipk > 3.47		 TO-251  TO-252  SMA-S	
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
B10S	MDS	HFM107-MS	SOD-123S	FMOSD01N80	TO-251	SL110-MS	SOD-123S	 SOD-123S	
MB10S	MDS	HFM107-S	SMA-S	FMOSU01N80	TO-252	FM1100-MS	SOD-123S		
DF10S	DFS/DBS			FMOSD01N90	TO-251	FM1100-S	SMA-S		
FM4007-MS	SOD-123S			FMOSU01N90	TO-252				

OUTPUT: 12V 20W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 20		Vout(V)= 12		lout(A)= 1.7	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr >	813	Vr >	813	Vds >	813	Vr >	81		
Io >	0.79	Io	-	Id >	0.79	Io >	2.00		
Ipk >	1.29	Ipk	-	Ipk >	1.29	Ipk >	6.94		
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
B10S	MDS	HFM107-MS	SOD-123S	FMOSD02N80	TO-251	SL210-MS	SOD-123S		
MB10S	MDS	HFM107-S	SMA-S	FMOSU02N80	TO-252	FM2100-MS	SOD-123S		
DF10S	DFS/DBS			FMOSD02N90	TO-251	FM2100-S	SMA-S		
FM4007-MS	SOD-123S			FMOSU02N90	TO-252				

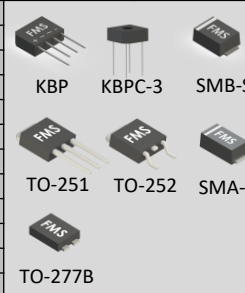
OUTPUT: 12V 30W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 30		Vout(V)= 12		lout(A)= 2.5	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr >	813	Vr >	813	Vds >	813	Vr >	81		
Io >	1.19	Io	-	Id >	1.19	Io >	3.00		
Ipk >	1.93	Ipk	-	Ipk >	1.93	Ipk >	10.41		
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
KBP210G	KBP	HFM207-S	SMA-S	FMOSD02N80	TO-251	FM3100-AS	SMA-S		
GBP2M	GBP	HFM207-BS	SMB-S	FMOSU02N80	TO-252	FM3L100-AS	SMA-S		
				FMOSD02N90	TO-251				
				FMOSU02N90	TO-252				

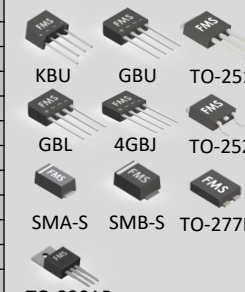
OUTPUT: 12V 50W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 50		Vout(V)= 12		lout(A)= 4.2	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr >	813	Vr >	813	Vds >	813	Vr >	81		
Io >	1.98	Io	-	Id >	1.98	Io >	5.00		
Ipk >	3.22	Ipk	-	Ipk >	3.22	Ipk >	17.35		
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
KBP210G	KBP	HFM207-S	SMA-S	FMOSD03N80	TO-251	FM5L100-AS	SMA-S		
GBP2M	GBP	HFM207-BS	SMB-S	FMOSU03N80	TO-252	FM5100-AS	SMA-S		
				FMOSD03N90	TO-251	FM5100-T7B	TO-277B		
				FMOSU03N90	TO-252	FM5L100-T7B	TO-277B		
						SKFM5200Y-D	TO-252		

OUTPUT: 12V 75W

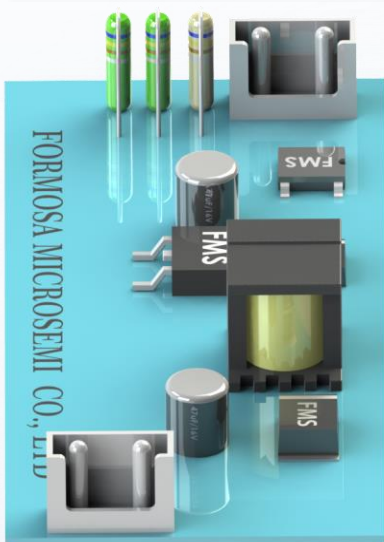
AC in(min)= 85		AC in(max)= 264		Pout(W)= 75		Vout(V)= 24		lout(A)= 3.1	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr >	813	Vr >	813	Vds >	813	Vr >	156		
Io >	2.97	Io	-	Id >	2.97	Io >	3.75		
Ipk >	4.65	Ipk	-	Ipk >	4.65	Ipk >	13.01		
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
KBP310G	KBP	HFM207-S	SMA-S	FMOSD05N80	TO-251	FM5L100-AS	SMA-S		
BR310	KBP-3	HFM207-BS	SMB-S	FMOSU05N80	TO-252	FM5100-AS	SMA-S		
				FMOSD05N90	TO-251	FM5100-T7B	TO-277B		
				FMOSU05N90	TO-252	FM5L100-T7B	TO-277B		
						SKFM5200Y-D	TO-252		

OUTPUT: 12V 100W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 100		Vout(V)= 12		lout(A)= 8.3	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr >	813	Vr >	813	Vds >	813	Vr >	81		
Io >	3.97	Io	-	Id >	3.97	Io >	10.00		
Ipk >	6.45	Ipk	-	Ipk >	6.45	Ipk >	34.71		
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
GBU4M	GBU	HFM307-S	SMA-S	FMOSD06N80	TO-251	FM10100-T3	SMC-T3		
KBU410	KBU	HFM307-BS	SMB-S	FMOSU06N80	TO-252	FM10100-T7B	TO-277B		
GBL4M	GBL			FMOSD06N90	TO-251	FM10L100-T7B	TO-277B		
GBJ4M	4GBJ			FMOSU06N90	TO-252	SKFM10100Y-D	TO-252		
						MBR10L300CT	TO-220AB		



OUTPUT: 24V 10~150W



OUTPUT: 24V 10W

OUTPUT: 24V 25W

OUTPUT: 24V 35W

OUTPUT: 24V 50W

OUTPUT: 24V 75W

OUTPUT: 24V 100W

OUTPUT: 24V 150W

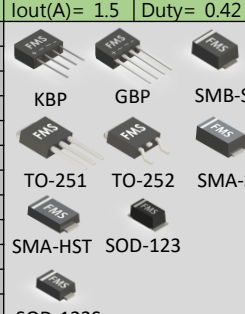
OUTPUT: 24V 10W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 10		Vout(V)= 24		Iout(A)= 0.4	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr > 813		Vr > 813		Vds > 813		Vr > 156			
Io > 0.40		Io -		Id > 0.40		Io > 0.50			
Ipk > 0.62		Ipk -		Ipk > 0.62		Ipk > 1.74			
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
B10S	MDS	HFM107-MS	SOD-123S	FMOSD01N80	TO-251	SL120-MS	SOD-123S		
MB10S	MDS	HFM107-S	SMA-S	FMOSU01N80	TO-252	SL120-MST	SOD-123ST		
DF10S	DFS/DBS			FMOSD01N90	TO-251	FM1200-M	SOD-123		
FM4007-MS	SOD-123S			FMOSU01N90	TO-252	FM1200-MS	SOD-123S		
						FM1200-S	SMA-S		

OUTPUT: 24V 25W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 25		Vout(V)= 24		Iout(A)= 1	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr > 813		Vr > 813		Vds > 813		Vr > 156			
Io > 0.99		Io -		Id > 0.99		Io > 1.25			
Ipk > 1.55		Ipk -		Ipk > 1.55		Ipk > 4.34			
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
B10S	MDS	HFM107-MS	SOD-123S	FMOSD02N80	TO-251	FM2200-M	SOD-123		
MB10S	MDS	HFM107-S	SMA-S	FMOSU02N80	TO-252	FM2200-MS	SOD-123S		
DF10S	DFS/DBS			FMOSD02N90	TO-251	FM2200-S	SMA-S		
FM4007-MS	SOD-123S			FMOSU02N90	TO-252	FM2200-HST	SMA-HST		
						FM2200-BS	SMB-S		

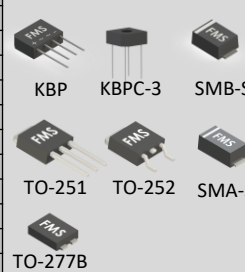
OUTPUT: 24V 35W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 35		Vout(V)= 24		lout(A)= 1.5	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr >	813	Vr >	813	Vds >	813	Vr >	156		
Io >	1.39	Io	-	Id >	1.39	Io >	1.75		
Ipk >	2.17	Ipk	-	Ipk >	2.17	Ipk >	6.07		
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
KBP210G	KBP	HFM207-S	SMA-S	FMOSD03N80	TO-251	FM2200-M	SOD-123		
GBP2M	GBP	HFM207-BS	SMB-S	FMOSU03N80	TO-252	FM2200-MS	SOD-123S		
				FMOSD03N90	TO-251	FM2200-S	SMA-S		
				FMOSU03N90	TO-252	FM2200-HST	SMA-HST		
						FM2200-BS	SMB-S		

OUTPUT: 24V 50W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 50		Vout(V)= 24		lout(A)= 2.1	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr >	813	Vr >	813	Vds >	813	Vr >	156		
Io >	1.98	Io	-	Id >	1.98	Io >	2.50		
Ipk >	3.10	Ipk	-	Ipk >	3.10	Ipk >	8.68		
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
KBP310G	KBP	HFM207-S	SMA-S	FMOSD04N80	TO-251	FM3200-AS	SMA-S		
BR310	KBP-3	HFM207-BS	SMB-S	FMOSU04N80	TO-252				
				FMOSD04N90	TO-251				
				FMOSU04N90	TO-252				

OUTPUT: 24V 75W


AC in(min)= 85		AC in(max)= 264		Pout(W)= 75		Vout(V)= 24		lout(A)= 3.1	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr >	813	Vr >	813	Vds >	813	Vr >	156		
Io >	2.97	Io	-	Id >	2.97	Io >	3.75		
Ipk >	4.65	Ipk	-	Ipk >	4.65	Ipk >	13.01		
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
KBP310G	KBP	HFM207-S	SMA-S	FMOSD05N80	TO-251	FM5200-AS	SMA-S		
BR310	KBP-3	HFM207-BS	SMB-S	FMOSU05N80	TO-252	FM5200-T7B	TO-277B		
				FMOSD05N90	TO-251	SKFM5200Y-D	TO-252		
				FMOSU05N90	TO-252				

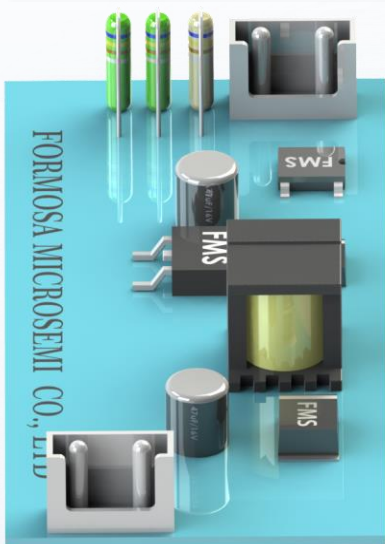
OUTPUT: 24V 100W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 100		Vout(V)= 24		lout(A)= 4.2	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr >	813	Vr >	813	Vds >	813	Vr >	156		
Io >	3.97	Io	-	Id >	3.97	Io >	5.00		
Ipk >	6.20	Ipk	-	Ipk >	6.20	Ipk >	17.35		
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
GBU4M	GBU	HFM307-S	SMA-S	FMOSD06N80	TO-251	FM5200-AS	SMA-S		
KBU410	KBU	HFM307-BS	SMB-S	FMOSU06N80	TO-252	FM5200-T7B	TO-277B		
GBL4M	GBL			FMOSD06N90	TO-251	SKFM5200Y-D	TO-252		
GBJ4M	4GBJ			FMOSU06N90	TO-252				

OUTPUT: 24V 150W







AC in(min)= 85		AC in(max)= 264		Pout(W)= 150		Vout(V)= 24		lout(A)= 6.3	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr >	813	Vr >	813	Vds >	813	Vr >	156		
Io >	5.95	Io	-	Id >	5.95	Io >	7.50		
Ipk >	9.30	Ipk	-	Ipk >	9.30	Ipk >	26.03		
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
GBU6M	GBU	HFM307-S	SMA-S	FMOSPF10N80	TO-263	FM10200-T3	SMC-T3		
BR610	KBPC-6	HFM307-BS	SMB-S	FMOSP10N80	TO-220AB	FM10200-T3	SMC-T3		
4GBJ6M	4GBJ	HFM307	SMC	FMOSPF10N90A	TO-263	FM8200-T7B	TO-277B		
				FMOSPF10N90B	TO-263	SKFM8200Y-D	TO-252		

 **OUTPUT: 48V 50~200W**











- OUTPUT: 48V 50W
- OUTPUT: 48V 75W
- OUTPUT: 48V 100W
- OUTPUT: 48V 125W
- OUTPUT: 48V 150W
- OUTPUT: 48V 175W
- OUTPUT: 48V 200W

OUTPUT: 48V 50W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 50		Vout(V)= 48		lout(A)= 1	Duty= 0.42	
Bridge		Snubber Diode		MOSFET		SKY Diode				
Vr >	813	Vr >	813	Vds >	813	Vr >	307			
Io >	1.98	Io	-	Id >	1.98	Io >	1.25			
Ipk >	3.04	Ipk	-	Ipk >	3.04	Ipk >	4.34			
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package			
KBP210G	KBP	HFM107-MS	SOD-123	FMOSD03N80	TO-251	MBR10L300CT	TO-220AB			
GBP2M	GBP	HFM107-S	SMA-S	FMOSU03N80	TO-252	MBR10L300FCT	ITO-220AB			
				FMOSD03N90	TO-251					
				FMOSU03N90	TO-252					
										

OUTPUT: 48V 75W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 75		Vout(V)= 48		lout(A)= 1.6	Duty= 0.42	
Bridge		Snubber Diode		MOSFET		SKY Diode				
Vr >	813	Vr >	813	Vds >	813	Vr >	307			
Io >	2.97	Io	-	Id >	2.97	Io >	1.88			
Ipk >	4.56	Ipk	-	Ipk >	4.56	Ipk >	6.51			
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package			
KBP310G	KBP	HFM207-MS	SOD-123	FMOSD05N80	TO-251	MBR10L300CT	TO-220AB			
BR310	KBP-3	HFM207-S	SMA-S	FMOSU05N80	TO-252	MBR10L300FCT	ITO-220AB			
				FMOSD05N90	TO-251					
				FMOSU05N90	TO-252					
										

OUTPUT: 48V 100W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 100		Vout(V)= 48		lout(A)= 2.1	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr > 813		Vr > 813		Vds > 813		Vr > 307			
Io > 3.97		Io -		Id > 3.97		Io > 2.50			
Ipk > 6.07		Ipk -		Ipk > 6.07		Ipk > 8.68			
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
GBU4M	GBU	HFM307	SMC	FMOSD06N80	TO-251	MBR10L300CT	TO-220AB		
KBU410	KBU	HFM307-BS	SMB-S	FMOSU06N80	TO-252	MBR10L300FCT	ITO-220AB		
GBL4M	GBL	HFM307-AS	SMA-S	FMOSD06N90	TO-251				
GBJ4M	4GBJ			FMOSU06N90	TO-252				










OUTPUT: 48V 125W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 125		Vout(V)= 48		lout(A)= 2.6	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr > 813		Vr > 813		Vds > 813		Vr > 307			
Io > 4.96		Io -		Id > 4.96		Io > 3.13			
Ipk > 7.59		Ipk -		Ipk > 7.59		Ipk > 10.85			
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
GBU6M	GBU	HFM307	SMC	FMOSP08N80A	TO-220AB	MBR10L300CT	TO-220AB		
BR610	KBPC-6	HFM307-BS	SMB-S	FMOSPFA08N80A	TO-263	MBR10L300FCT	ITO-220AB		
4GBJ6M	4GBJ	HFM307-AS	SMA-S	FMOSP08N90	TO-220AB				
				FMOSPFA08N90	TO-263				










OUTPUT: 48V 150W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 150		Vout(V)= 48		lout(A)= 3.1	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr > 813		Vr > 813		Vds > 813		Vr > 307			
Io > 5.95		Io -		Id > 5.95		Io > 3.75			
Ipk > 9.11		Ipk -		Ipk > 9.11		Ipk > 13.01			
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package		
GBU6M	GBU	HFM307	SMC	FMOSPF10N80	TO-263	MBR10L300CT	TO-220AB		
BR610	KBPC-6	HFM307-BS	SMB-S	FMOSP10N80	TO-220AB	MBR10L300FCT	ITO-220AB		
4GBJ6M	4GBJ	HFM307-AS	SMA-S	FMOSPF10N90A	TO-263				
				FMOSPF10N90B	TO-263				

OUTPUT: 48V 175W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 175		Vout(V)= 48		Iout(A)= 3.6	Duty= 0.42	
Bridge		Snubber Diode		MOSFET		SKY Diode				
Vr >	813	Vr >	813	Vds >	813	Vr >	307			
Io >	6.94	Io	-	Id >	6.94	Io >	4.38			
Ipk >	10.63	Ipk	-	Ipk >	10.63	Ipk >	15.18			
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package			
GBU8M	GBU	HFM307	SMC	FMOSP10N80	TO-263	MBR10L300CT	TO-220AB			
GBJ8M	GBJ	HFM307-BS	SMB-S	FMOSP10N80	TO-220AB	MBR10L300FCT	TO-220AB			
BR810	KBPC-8	HFM307-AS	SMA-S	FMOSP10N90A	TO-263					
KBU810	KBU			FMOSPF10N90B	TO-263					

OUTPUT: 48V 200W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 200		Vout(V)= 48		Iout(A)= 4.2	Duty= 0.42	
Bridge		Snubber Diode		MOSFET		SKY Diode				
Vr >	813	Vr >	813	Vds >	813	Vr >	307			
Io >	7.93	Io	-	Id >	7.93	Io >	5.00			
Ipk >	12.15	Ipk	-	Ipk >	12.15	Ipk >	17.35			
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package			
GBU8M	GBU	HFM307	SMC	FMOSP13NM80	TO-263	MBR10L300CT	TO-220AB			
GBJ8M	GBJ	HFM307-BS	SMB-S	FMOSP13NM90	TO-263	MBR10L300FCT	TO-220AB			
BR810	KBPC-8	HFM307-AS	SMA-S							
KBU810	KBU									