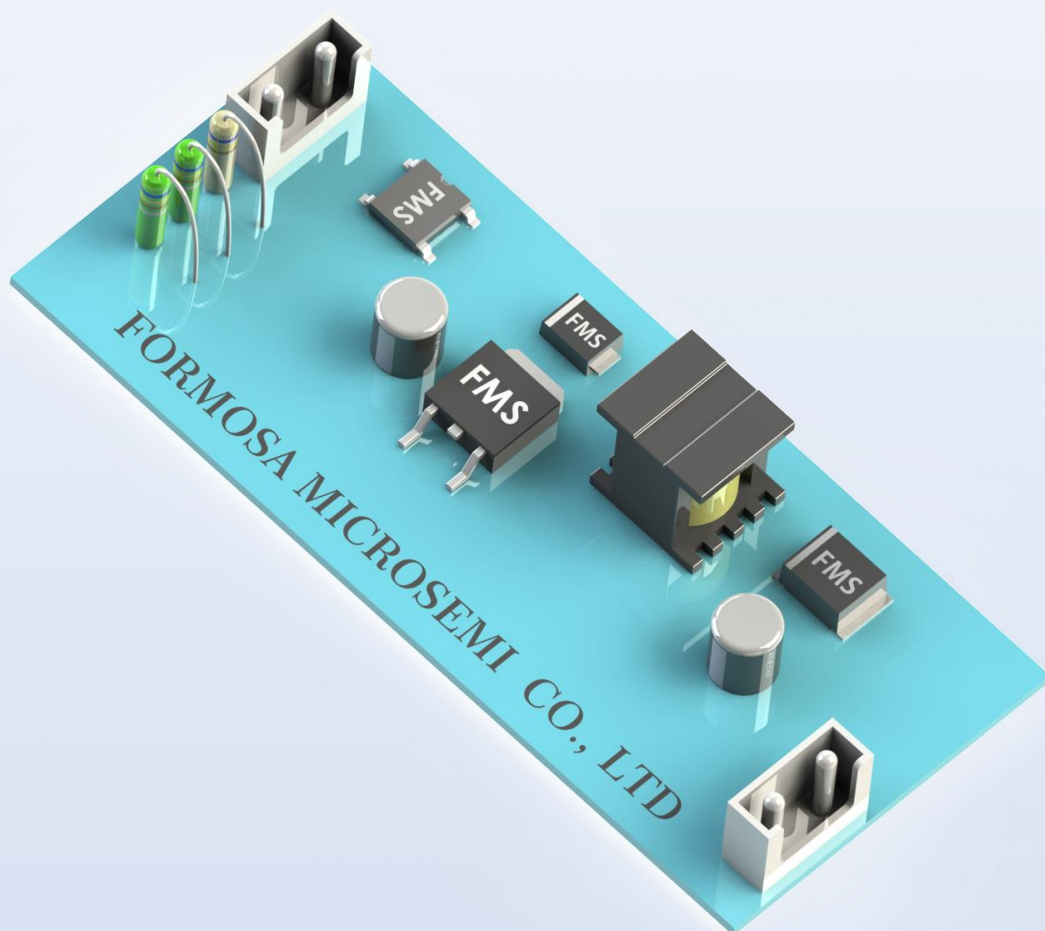




绝缘型返驰式转换器电源 应用导引参考手册





Formosa Microsemi CO.,LTD.

电源应用 导引手册

- 品质至上
- 服务优先
- 顾客满意
- 持续改善

成立时间： 1996 年 7月

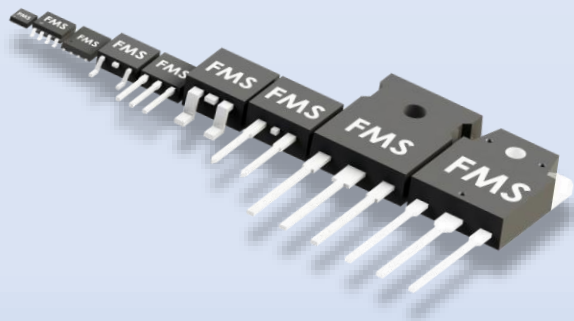
营运中心： 台北,台湾

主力研发： 功率/保护/整流/低功耗/快速切换/低导通

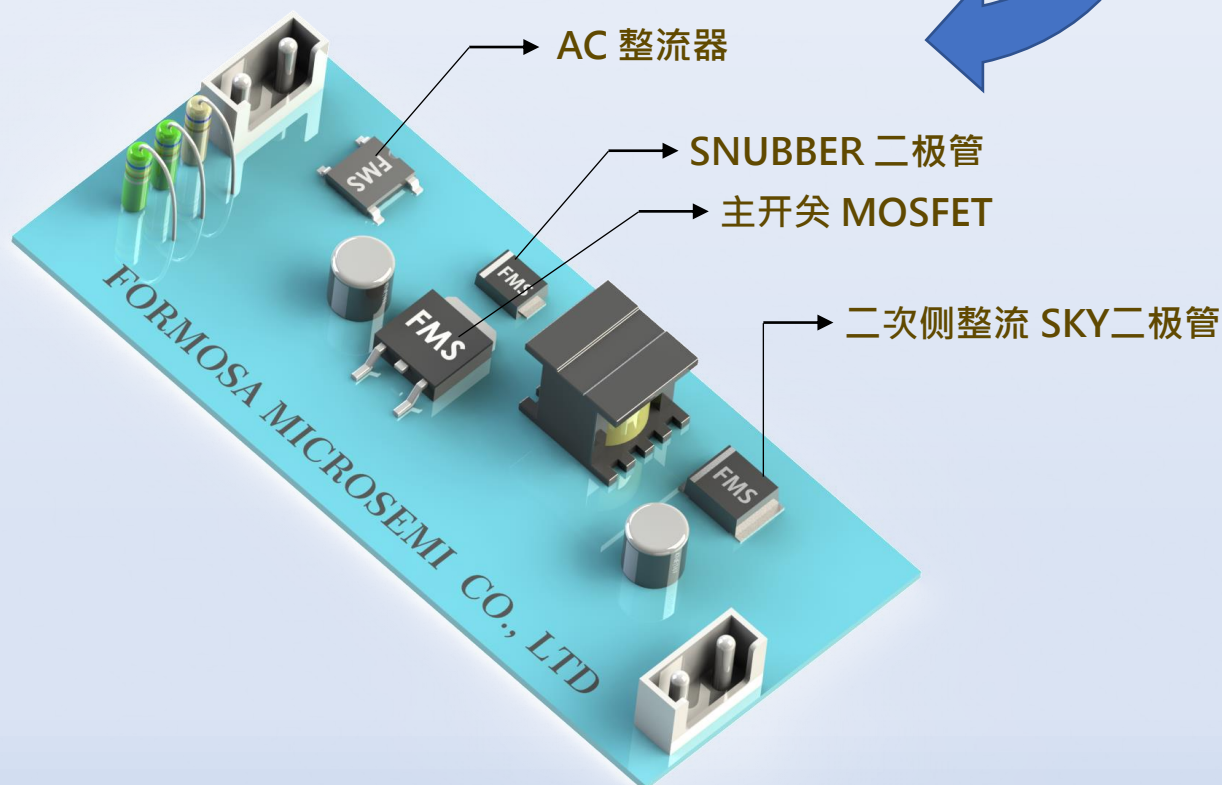
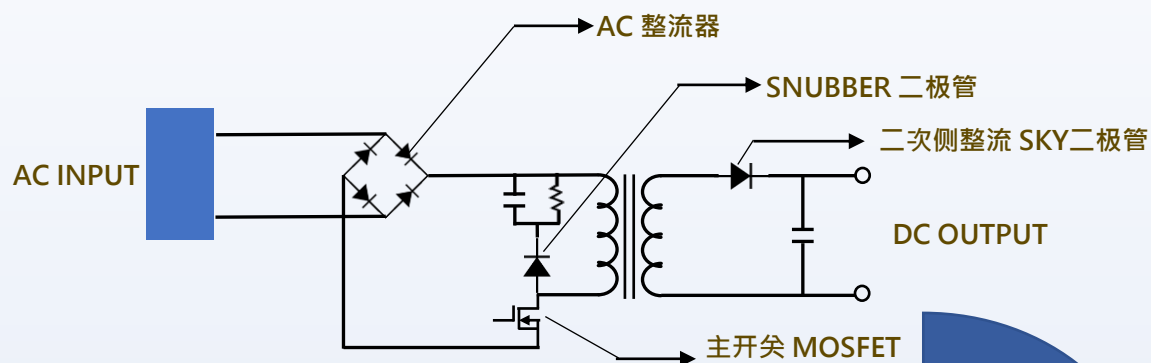
生产产品： **MOSFETs/ESD/TVS/Diode/Zener**

实施质量认证，创造顾客满意

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



针对业界有关绝缘型返驰式转换器电源的处理应用,美丽微公司在支持上分为4大种类,有AC 整流功能、SNUBBER缓冲二极管、主电流开关MOSFET、变压器二次侧整流用二极管。



电源供应器不同功率下需求组件建议



OUTPUT: 5V 5~100W



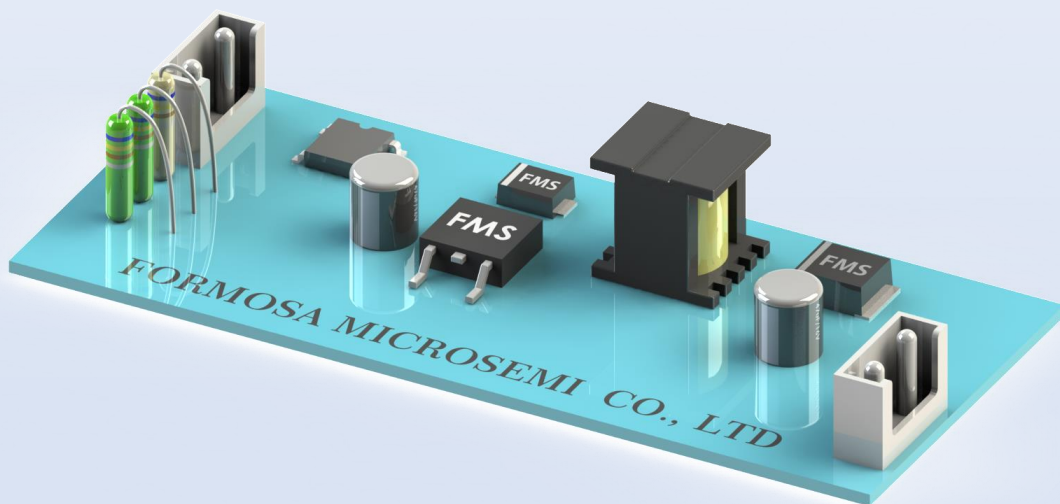
OUTPUT: 12V 5~100W



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

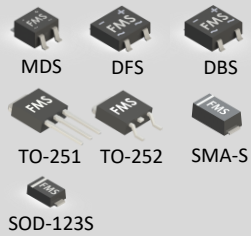
OUTPUT: 5V 75W

OUTPUT: 5V 100W

OUTPUT: 5V 5W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 5		Vout(V)= 5		Iout(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										

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								

OUTPUT: 5V 20W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 20		Vout(V)= 5		Iout(A)= 4		Duty= 0.42	
Bridge		Snubber Diode		MOSFET		SKY Diode		   DFS DBS SMB-S    TO-251 TO-252 SMA-S  SOD-123S			
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		DFS DFS DBS SMC-T3 TO-251 FMS TO-252 SMA-S TO-277B	Iout(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		Iout(A)= 10		Duty= 0.42	
Bridge		Snubber Diode		MOSFET		SKY Diode		 DFS  DBS  TO-277B  TO-251  TO-252  SMB-S  SMA-S			
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

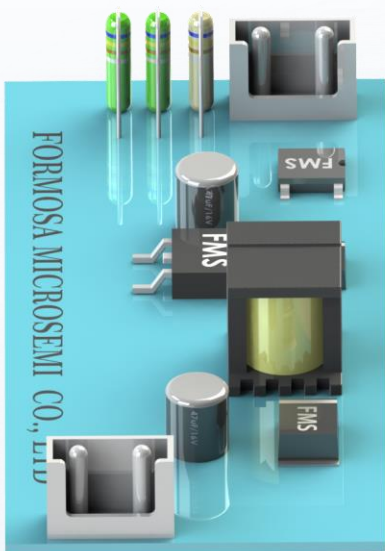
AC in(min)= 85		AC in(max)= 264		Pout(W)= 75		Vout(V)= 5		Iout(A)= 15	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode		 KBP  KBPC-3  SMB-S  TO-251  TO-252  SMA-S  SMC  TO-263  TO-220AB	
Vr >	813	Vr >	813	Vds >	813	Vr >	37		
Io >	2.97	Io	-	Id >	2.97	Io >	18.00		
Ipk >	5.35	Ipk	-	Ipk >	5.35	Ipk >	62.47		
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		 KBU  GBU  SMB-S  GBL  4GBJ  SMA-S  SMC  TO-263  TO-220AB	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	ITO-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		 MDS  DFS  DBS  TO-251  TO-252  SMA-S  SOD-123S	lout(A)= 0.4	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode				
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				
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			
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		 MDS  DFS  DBS  TO-251  TO-252  SMA-S  SOD-123S	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
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			
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		
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		Iout(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						
								SOD-123S			

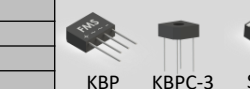
OUTPUT: 12V 30W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 30		Vout(V)= 12		 KBP  GBP  SMB-S  TO-251  TO-252  SMA-S	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				

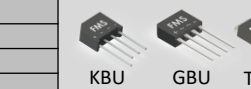
OUTPUT: 12V 50W

AC in(min)= 85		AC in(max)= 264		Pout(W)= 50		Vout(V)= 12		Iout(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		Iout(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		Iout(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					
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		MDS DFS DBS TO-251 TO-252 SOD-123 SMA-S SOD-123S			
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

Iout(A) = 1.5		Duty= 0.42
		
KBP	GBP	SMB-S
		
TO-251	TO-252	SMA-S
		
SMA-HST	SOD-123	
		
SOD-123S		

OUTPUT: 24V 50W

$I_{out}(A) = 2.1$ $Duty = 0.42$





KBP

KBPC-3

SMB-S





TO-251

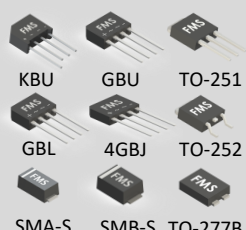
TO-252

SMA-S

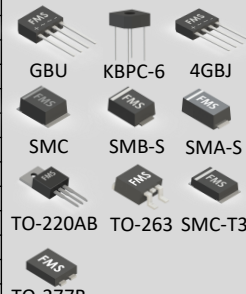
OUTPUT: 24V 75W

Iout(A) = 3.1		Duty = 0.42	
			
KBP	KBPC-3	SMB-S	
			
TO-251	TO-252	SMA-S	
			
TO-277B			

OUTPUT: 24V 100W

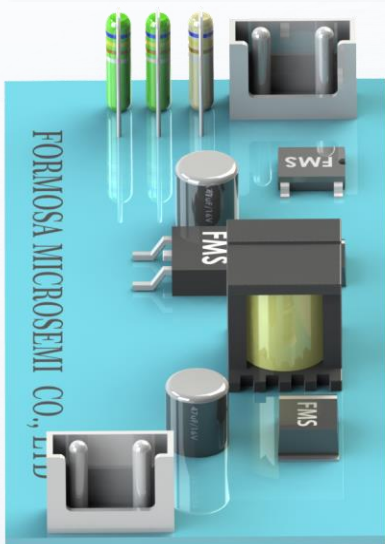
AC in(min)= 85		AC in(max)= 264		Pout(W)= 100		Vout(V)= 24		
Bridge		Snubber Diode		MOSFET		SKY Diode		
Vr > 813		Vr > 813		Vds > 813		Vr > 156		
Io > 3.97		Io -		Id > 3.97		Io > 5.00		
Ipk > 6.20		Ipk -		Ipk > 6.20		Ipk > 17.35		
Part Num	Package	Part Num	Package	Part Num	Package	Part Num	Package	
GBU4M	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

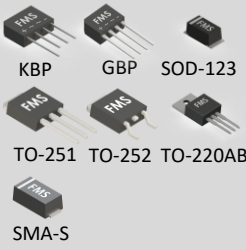
OUTPUT: 48V 125W

OUTPUT: 48V 150W

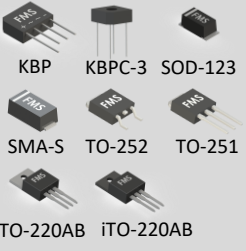
OUTPUT: 48V 175W

OUTPUT: 48V 200W

OUTPUT: 48V 50W

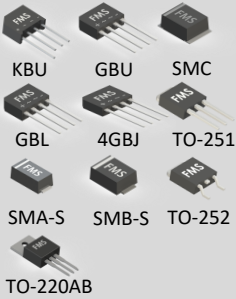
AC in(min)= 85		AC in(max)= 264		Pout(W)= 50		Vout(V)= 48		Iout(A)= 1	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr > 813		Vr > 813		Vds > 813		Vr > 307			
Io > 1.98		Io -		Id > 1.98		Io > 1.25			
Ipk > 3.04		Ipk -		Ipk > 3.04		Ipk > 4.34			
Part Num	Package	Part Num	Package	Part Num	Package	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		Iout(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

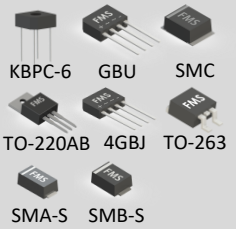
AC in(min)= 85		AC in(max)= 264		Pout(W)= 100		Vout(V)= 48		Iout(A)= 2.1	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr > 813		Vr > 813		Vds > 813		Vr > 307			
Io > 3.97		Io -		Id > 3.97		Io > 2.50			
Ipk > 6.07		Ipk -		Ipk > 6.07		Ipk > 8.68			
Part Num	Package	Part Num	Package	Part Num	Package	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				



KBU GBU SMC
GBL 4GBJ TO-251
SMA-S SMB-S TO-252
TO-220AB

OUTPUT: 48V 125W

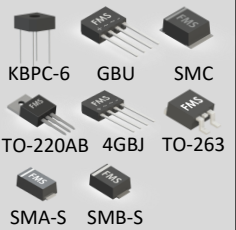
AC in(min)= 85		AC in(max)= 264		Pout(W)= 125		Vout(V)= 48		Iout(A)= 2.6	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr > 813		Vr > 813		Vds > 813		Vr > 307			
Io > 4.96		Io -		Id > 4.96		Io > 3.13			
Ipk > 7.59		Ipk -		Ipk > 7.59		Ipk > 10.85			
Part Num	Package	Part Num	Package	Part Num	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				



KBPC-6 GBU SMC
TO-220AB 4GBJ TO-263
SMA-S SMB-S

OUTPUT: 48V 150W

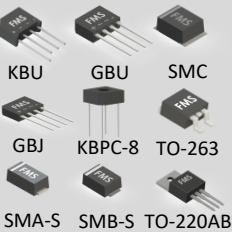
AC in(min)= 85		AC in(max)= 264		Pout(W)= 150		Vout(V)= 48		Iout(A)= 3.1	Duty= 0.42
Bridge		Snubber Diode		MOSFET		SKY Diode			
Vr > 813		Vr > 813		Vds > 813		Vr > 307			
Io > 5.95		Io -		Id > 5.95		Io > 3.75			
Ipk > 9.11		Ipk -		Ipk > 9.11		Ipk > 13.01			
Part Num	Package	Part Num	Package	Part Num	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				



KBPC-6 GBU SMC
TO-220AB 4GBJ TO-263
SMA-S SMB-S

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	FMOSPF10N80	TO-263	MBR10L300CT	TO-220AB		
GBJ8M	GBJ	HFM307-BS	SMB-S	FMOSP10N80	TO-220AB	MBR10L300FCT	TO-220AB		
BR810	KBPC-8	HFM307-AS	SMA-S	FMOSPF10N90A	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								

