

Encapsulated SMPS PCB with Mark Johnson AmyAlice filter

Part	Value	Q.ty	Description	Digikey part No.	Note
R1, R3	0.1	2	0.1ohm 2W Thick Film Res.	ERJ-D1CFR100U	
R2, R4	750	2	750ohm 1/4 W 1% Thin Film Res.	RT1206FRE07750RL	
C1, C3	1uF	2	CAP FEEDTHRU 1UF 20% 100V 1206	YFF31HC2A105MT000N	
C2, C4	470uF	2	CAP ALUM 470UF 20% 50V RADIAL TH	ESH477M050AH4AA	
L1, L2	10 µH	2	FIXED IND 10UH 6A 19.5 MOHM SMD	SRR1280-100M	
FB1	880ohm	1	FERRITE BEAD 880 OHM 1812 1LN	74279252	
D1		1	TVS DIODE 58.1VWM 92VC DO214AA	P6SMB68A	
R5		1	Metal film resistor	Any value according to V-OUT	Optional
PWR	Led	1	Blu led	LTST-C150TBKT	Optional
F1		1	FUSE BLOK CARTRIDGE 500V 10A PCB	0031.8201	
		1	COVER FUSEBLK TRANSP PCB 5X20MM	853.0551	
	1935161	2	TERM BLK 2POS SIDE ENTRY 5MM PCB	277-1667-ND	
PS1*	IRM-yy-xx		Meanwell encapsulated SMPS	IRM-yy-xx	

*Board V 1.2 can accomodate a Meanwell IRM or MPM SMPS series with various output voltage with 2 or 3 watt power

IRM/MPM-2-xx 2 watt

IRM/MPM-3-xx 3 watt

*Board V 1.5 can accomodate a Meanwell IRM or MPM SMPS series with various output voltage and 5, 10, 15, and 20 watt power

IRM/MPM-5-xx 5 watt

IRM/MPM-10-xx 10 watt

IRM/MPM-15-xx 15 watt

And IRM/MPM-20-xx 20 watt