

PMP7768

PMP7768 BOM



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Bill of Materials Report

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Project Name: 36W SEPIC Converter

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Variant: -100A

Schematic Rev: 2

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Designator	CompType	Value	Footprint	Parameters	Manufacturer	Manufacturer_PN
C100	Capacitor	100uF	SM_RADIAL_G	AL, EEV-FK, 63V, 20%	Panasonic	EEV-FK1J101P
C101	Capacitor	4.7uF	2220	Ceramic, X7R, 100V, 20%	TDK	C5750X7R2A475M
C102	Capacitor	0.1uF	0805	Ceramic, X7R, 100V, 10%	TDK	C2012X7R2A104K
C103	Capacitor	1uF	0805	Ceramic, X7R, 16V, 10%	TDK	C2012X7R1C105K
C104	Capacitor	0.01uF	0805	Ceramic, X7R, 50V, 10%	TDK	C2012X7R1H103K
C105	Capacitor	100pF	0805	Ceramic, C0G/NP0, 1000V, 5%	Vishay-Vitramon	VJ0805A101JXGAT5Z
C108	Capacitor	0.01uF	0805	Ceramic, X7R, 100V, 10%	TDK	C2012X7R2A103K
C109	Capacitor	330pF	0805	Ceramic, X7R, 50V, 10%	Yageo America	CC0805KRX7R9BB331
C110	Capacitor	4.7uF	2220	Ceramic, X7R, 100V, 20%	TDK	C5750X7R2A475M
C111	Capacitor	4.7uF	2220	Ceramic, X7R, 100V, 20%	TDK	C5750X7R2A475M
C113	Capacitor	22uF	1210	Ceramic, X5R, V, %	TDK	C3225X5R1C226M
C114	Capacitor	22uF	1210	Ceramic, X5R, V, %	TDK	C3225X5R1C226M
C115	Capacitor	100uF	CAPSMT_6_UE	, , 16VV, %	United Chemi-Con	APXE160ARA101MF80G
D100	Diode	100V	SOD-123	Vr = 100V, Io = 0.15A, Vf = 1.25V	Diodes Inc.	1N4148W-7-F
D101	Diode	100V	SMC	Vr = 100V, Io = 3A, Vf = 0.62V	ON Semiconductor	MBRS3100T3
L100	Inductor	8.2uH	mss1278	Shielded Drum Core, 5.9A, 0.028Ohm	Coilcraft Inc.	MSS1278-822MLB
L101	Inductor	8.2uH	mss1278	Shielded Drum Core, 5.9A, 0.028Ohm	Coilcraft Inc.	MSS1278-822MLB
Q100	MOSFET	100V	DPAK		Vishay	SUD40N10-25
R100	Resistor	10.0	0805	1%, 0.125W	Vishay-Dale	CRCW080510R0FKEA
R101	Resistor	61.9k	0805	1%, 0.125W	Vishay-Dale	CRCW080561k9FKEA
R102	Resistor	10.0k	0805	1%, 0.125W	Vishay-Dale	CRCW080510k0FKEA
R103	Resistor	84.5k	0805	1%, 0.125W	Vishay-Dale	CRCW080584k5FKEA
R104	Resistor	1.54k	0805	1%, 0.125W	Vishay-Dale	CRCW08051k54FKEA
R105	Resistor	0.025	2512	1%, 1W	Vishay	WSL2512R0250F
R106	Resistor	40.2k	0805	1%, 0.125W	Vishay-Dale	CRCW080540k2FKEA
R107	Resistor	86.6k	0805	1%, 0.125W	Vishay-Dale	CRCW080586k6FKEA
R108	Resistor	10.0k	0805	1%, 0.125W	Vishay-Dale	CRCW080510k0FKEA
R109	Resistor	301	0805	1%, 0.125W	Vishay-Dale	CRCW0805301RFKEA
U100	Switcher		MUB10A		National Semiconductor	LM5022

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