

PMP7767

PMP7767 BOM



Literature Number:SNVR034

Bill of Materials Report

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Project Name: 12V 5A Buck Converter

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Variant: _____

Schematic Rev: 1

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Designator	CompType	Value	Footprint	Parameters	Manufacturer	Manufacturer PN
C100	Capacitor	22uF	SM_RADIAL_E	AL, EEV-FK, 63V, 20%	Panasonic	EEV-FK1J220XP
C101	Capacitor	2.2uF	1812	Ceramic, X7R, 100V, 10%	MuRata	GRM43ER72A225K
C102	Capacitor	0.1uF	0805	Ceramic, X7R, 50V, 10%	TDK	C2012X7R1H104K
C103	Capacitor	1000pF	0805	Ceramic, X7R, 50V, 10%	TDK	C2012X7R1H102K
C104	Capacitor	0.047uF	0805	Ceramic, X7R, 25V, 10%	MuRata	GRM218R71E473KA01D
C105	Capacitor	3300pF	0805	Ceramic, C0G/NP0, 50V, 5%	MuRata	GRM2165C1H332JA01D
C106	Capacitor	22uF	1210	Ceramic, X5R, 16V, 20%	TDK	C3225X5R1C226M
C107	Capacitor	22uF	1210	Ceramic, X5R, 16V, 20%	TDK	C3225X5R1C226M
C108	Capacitor	22uF	1210	Ceramic, X5R, 16V, 20%	TDK	C3225X5R1C226M
C109	Capacitor	22uF	1210	Ceramic, X5R, 16V, 20%	TDK	C3225X5R1C226M
C110	Capacitor	0.01uF	0805	Ceramic, X7R, 50V, 10%	TDK	C2012X7R1H103K
D100	Diode	80V	SMC	Vr = 80V, Io = A, Vf = V	ComChip Technology	CDBC580
L100	Inductor	22uH		, A, Ohm	Würth	7447709220
Q100	MOSFET	80V	SOIC-8	A, nC, rDS(on) @4.5V=	Vishay	Si7469DP
R100	Resistor	200k	0805	1%, 0.125W	Vishay-Dale	CRCW0805200kFKEA
R101	Resistor	2.10k	0805	1%, 0.125W	Vishay-Dale	CRCW08052k10FKEA
R102	Resistor	0.01	2010	1%, 1W	Vishay-Dale	WSL2010R0100FEA18
R103	Resistor	10.0k	0805	1%, 0.125W	Vishay-Dale	CRCW080510k0FKEA
R104	Resistor	1.18k	0805	1%, 0.125W	Vishay-Dale	CRCW08051k18FKEA
R105	Resistor	100k	0805	1%, 0.125W	Vishay-Dale	CRCW0805100kFKEA
U100	Switcher		MSOP-8 PAD		National Semiconductor	LM5085

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