

PMP7774

PMP7774 BOM



Literature Number:SNVR050

NSC0956 LM3489 buck converter Vin=4.5V to 25V Vout=+3.3V@100mA

7/30/2008

Designator	Value	Description	Manufacturer	PartNumber	Footprint	Cost (\$)
C1	2.2u, 25V	Capacitor Ceramic	TDK	C3216X7R1E225M	1206	0.025
C2	10u,6.3V	Capacitor Ceramic	TDK	C3216X5R0J106M	1206	0.040
C3	1n	Capacitor Ceramic	Vishay	VJ0603Y102KXACW1BC	0603	0.005
C4	1000p	Capacitor Ceramic	Vishay	VJ0603Y102KXACW1BC	0603	0.005
C5	0.1u	Capacitor Ceramic	Vishay	VJ0805Y104KXATW1BC	0805	0.005
D1	30V	Schottky Diode	Diodes, inc	BAT54	SOT-23	0.020
L1	470u	Inductor	Pulse	P0752_474	P0752	0.150
Q1	60V	P channel 40 v d-s mosfet	Infineon	BSS83P	SOT-23	0.030
R1	60.4k	Resistor	Vishay	CRCW060360K4FKEA	0603	0.001
R2	20.0k	Resistor	Vishay	CRCW060310K0FKEA	0603	0.001
R3	88.7k	Resistor	Vishay	CRCW060388K7FKEA	0603	0.001
R4	10	Resistor	Vishay	CRCW060310R0FKEA	0603	0.001
R5	1.62	Resistor	Vishay	CRCW06031R62FNEA	0603	0.001
R6	1.62	Resistor	Vishay	CRCW06031R62FNEA	0603	0.001
U1	LM3489	HYSTERETIC CONTROLLER	NSC		msop-8	
					total	0.286

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