

PMP6002 Rev. C BOM
120VAC to 32V/350mA TRIAC Dimmable LED Driver

Qty	RefDes	DESCRIPTION	MFR	PART NUMBER
1	BR1	IC RECT BRIDGE 0.5A 600V 4SOIC	Diodes	MB6S
1	C1	CAP .47UF/400VDC METAL POLY	Panasonic	ECQ-E4474KF
1	C2	CAP CER 15000PF 250V X7R 1206	Std	Std
1	C3	CAP CER 10000PF 50V X7R 0603	Std	Std
1	C4	CAP CER .1UF 50V X7R 10% 0603	Std	Std
1	C5	CAP 100UF 25V ELECT RADIAL 2.5MM	Std	Std
2	C6,C7	CAP CER 2.2UF 100V X7R 1210	Std	Std
1	C8	CAP 560UF 50V ELECT HE RADIAL	Std	Std
1	C9	CAP .022UF/630VDC METAL POLY	Panasonic	ECQ-E6223KF
5	C10,C15,C17,C18,C19	CAP CER 10000PF 25V X7R 0603	Std	Std
1	C11	CAP CER 2.2NF X1/Y1 RADIAL	muRata	DE1E3KX222M
1	C12	CAP CER 220PF 630VDC U2J 1206	Std	Std
1	C13	CAP CER 0.33UF 16V X7R 0603	Std	Std
1	C14	CAP CER 1UF 16V X7R 0805	Std	Std
1	C16	CAP CER .1UF 25V 0805	Std	Std
1	C21	CAP .022UF/305VAC X2 METAL POLYPRO	Epcos	B32921C3223M
1	D1	DIODE ULTRA FAST 800V 1A SMA	ST	STTH108A
1	D3	DIODE ULTRA FAST 200V SOT-23	Fairchild	MMBD1404
1	D4	DIODE ZENER 18V 225MW SOT-23	Std	Std
1	D5	DIODE GPP FAST 1A 600V DO-41	Std	UF4005
1	D6	DIODE GPP FAST 1A 600V SMA	Std	RS1J
1	D8	SHUNT REGULATOR 5.0V SOT-23	TI	LM4040C50
1	D9	DIODE, SWITCHING 70V SC-70	Std	BAW56W
1	F1	FUSE PICO FAST 2.5A 250V AXIAL	Littelfuse	026302.5WRT1L
1	L1	IND COMMON MODE CHOKE 40MH	Wurth	750311650
1	L2	JUMPER (RES 0.0 OHM 1206)	Std	Std
1	Q1	MOSFET N-CH 650V 7.3A TO-220FP	Infineon	SPA07N60C3
1	Q2	TRANSISTOR NPN 100V 1A SOT-89	Diodes	FCX493TA
1	Q6	TRANSISTOR NPN GP 40V SOT23	Std	MMBT3904
3	R1,R2,R31	RES 560K OHM 1/4W 1% 0805 SMD	Std	Std
3	R3,R6,R15	RES 100K OHM 1/10W 1% 0603 SMD	Std	Std
1	R4	RES 75.0K OHM 1/4W 1% 1206 SMD	Std	Std
1	R5	RES 510 OHM METAL FILM 2W 5%	Std	Std
1	R7	RES 464K OHM 1/10W 1% 0603 SMD	Std	Std
1	R8	RES 4.42K OHM 1/10W 1% 0603 SMD	Std	Std
1	R9	RES 39.2 OHM 1/8W 1% 0805 SMD	Std	Std
1	R10	RES 1.0K OHM METAL FILM 2W 5%	Std	Std
1	R11	RES 110K OHM 1/8W 1% 0805 SMD	Std	Std
1	R12	RES 33.2K OHM 1/10W 1% 0603 SMD	Std	Std
1	R13	RES 40.2K OHM 1/10W 1% 0603 SMD	Std	Std
1	R14	RES 634K OHM 1/10W 1% 0603 SMD	Std	Std
1	R16	RES 4.99 OHM 1/10W 1% 0603 SMD	Std	Std
1	R17	RES 3.01 OHM 1/8W 1% 0805 SMD	Std	Std
1	R18	RES 10.0K OHM 1/10W 1% 0603 SMD	Std	Std
1	R19	RES .33 OHM 1/4W 1% 1206 SMD	Std	Std
1	R20	RES 301K OHM 1/10W 1% 0603 SMD	Std	Std
1	R21	RES 71.5K OHM 1/10W 1% 0603 SMD	Std	Std
1	R22	RES 200K OHM 1/10W 1% 0603 SMD	Std	Std
2	R24,R35	RES 3.01K OHM 1/10W 1% 0603 SMD	Std	Std
2	R25,R33	RES 1.00M OHM 1/10W 1% 0603 SMD	Std	Std
1	R26	RES 2.00K OHM 1/10W 1% 0603 SMD	Std	Std
1	R27	RES 511K OHM 1/10W 1% 0603 SMD	Std	Std

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2	R23,R28	RES 20.0K OHM 1/10W 1% 0603 SMD	Std	Std
1	R29	RES 12.7K OHM 1/8W 1% 0805 SMD	Std	Std
1	R30	RES 604K OHM 1/10W 1% 0603 SMD	Std	Std
1	R32	RES 17.4K OHM 1/10W 1% 0603 SMD	Std	Std
1	R40	RES 16.5K OHM 1/10W 1% 0603 SMD	Std	Std
0	R41	DNL		
0	R42	DNL		
1	R43	RES 0.0 OHM 1/20W 5% 0603 SMD	Std	Std
1	T1	TRANSFORMER FLYBACK EE20/10/6	Würth	750811148
1	U1	IC PWM CTRLR CASCODE 8-SOIC	TI	TPS92210
1	U2	OPTO ISOLATOR TRANSISTOR OUTPUT	CEL/NEC	PS2581L1
3	U3,U4,U5	IC OPAMP GP R-R 1MHZ SGL SOT23-5	TI	LMV321IDBVR
1	VR1	SUR ABSORBER 7MM 430V 1250A ZNR	Panasonic	ERZ-V07D431