



D6)\$\$*@

@ck'J: '6f]X[Y'FYWh]Z]Yfg'

.....:YUhi fYg'

UL recognition, file #E230084
 Glass passivated chip junction
 Thin single in-line package
 High surge current capability
 Solder dip 275 °C max. 7 s, per JESD 22-B106

.....Hmd]WU' 5dd']WUh]cbg'

General purpose use in AC/DC bridge full wave rectification
 for switching power supply, home appliances, office equipment,
 industrial automation applications.

....AYW\Ub]WU' 8UhU'

DUW_U[Y: PB
 Molding compound meets UL 94 V-0 flammability
 rating, RoHS-compliant, halogen-free
 HYf a]bU'g': Tin plated leads, solderable per
 J-STD-002 and JESD22-B102
 Dc`Uf]hm. As marked on body

AUI]a i a 'FUhb]g (Ta=25 Unless otherwise specified

D5F5A9H9F'		GMA6C@'	IB-H	D6)\$\$*@
Device marking code				PB5006L
Maximum Repetitive Peak Reverse Voltage		VRRM	V	600
Maximum RMS Voltage		VRMS	V	420
Maximum DC blocking Voltage		VDC	V	600
Average rectified output current @60Hz sine wave, R-load	With heatsink Tc =92	IO	A	50.0
	Without heatsink Ta =25			4.5
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, Tj=25		IFSM	A	500
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25				1000
Current squared time @1ms t 8.3ms Tj=25 , Rating of per diode		I ² t	A ² s	1037.5
Storage temperature		T _{stg}		-55 ~ +150
Junction temperature		T _j		-55 ~ +150
Dielectric strength @ terminals to case, AC 1 minute		V _{dis}	KV	2.5
Mounting torque @recommend torque 5kg cm		T _{or}	kg cm	8

9'YWhf]WU' 7 \UfUWhYf]gh]Wg Ta=25 Unless otherwise specified

D5F5A9H9F'	GMA6C@'	IB-H	H9GH'7CB8-H-CBG	D6)\$\$*@
Maximum instantaneous forward voltage drop per diode	VF	V	IFM=25.0A	0.97
Maximum DC reverse current at rat â C blocking voltage per diode	IR	µA	T _j =25	5
			T _j =125	100



$T_a=25$ Unless otherwise specified

D5F5A9H9F		GMA6C@	IB=H	D6)\$\$*@
Thermal Resistance	Between junction and ambient, Without heatsink	R_{JA}	/W	18.0
	Between junction and case, With heatsink	R_{JC}		0.6

Note: Device mounted on 75mm x 45mm x 5.5mm Aluminum Plate Heatsink.

CfXYfjb[-bZcf aUh]cb (Example)

DF9:9F98'D#B	D57?-B; 7C89	IB=H'K9; <Hfl [L	A=B=A I A' D57?5; 9fidWgŁ	-BB9F'6CL' E I 5BH-HMfidWgŁ	C I H9F'75FHCB' E I 5BH-HMfidWgŁ	89@=J9FM'AC89
PB5006L	B1	Approximate 7.5	15	750	1500	TUBE

7 \UfUWhYf]gh]Wg' (Typical)



