Micro Commercial Components
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GPA801DT thru GPA807DT

8 Amp Glass Passivated Rectifier

Features

- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- Lead Free Finish/RoHS Compliant(Note 1)("P" Suffix designates Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -65°C to +150°C
- Storage Temperature: -65°C to +150°C
- Maximum Thermal Resistance; 2.5°C/W Junction To Case

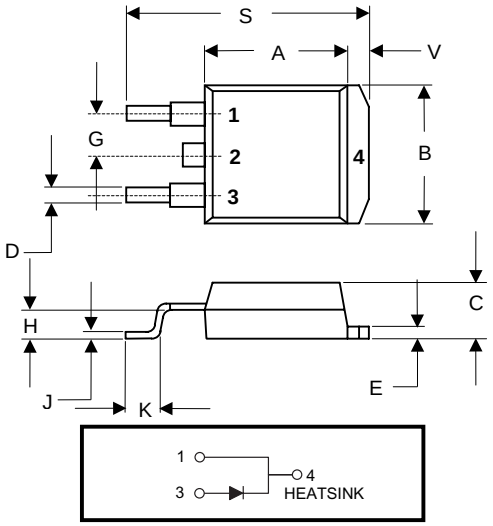
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GPA801DT	GPA801DT	50V	35V	50V
GPA802DT	GPA802DT	100V	70V	100V
GPA803DT	GPA803DT	200V	140V	200V
GPA804DT	GPA804DT	400V	280V	400V
GPA805DT	GPA805DT	600V	420V	600V
GPA806DT	GPA806DT	800V	560V	800V
GPA807DT	GPA807DT	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	8A	T_C = 100°C
Peak Forward Surge Current	I_{FSM}	150A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	1.1V	I_F = 8A; T_J = 25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	5uA	T_c = 25°C
Typical Junction Capacitance	C_J	50pF	Measured at 1.0MHz, V_R=4.0V

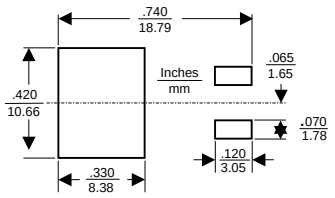
Note: 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7.

D^2-PACK



DIM	INCHES MIN	INCHES MAX	MM MIN	MM MAX	NOTE
A	.320	.359	8.13	9.14	
B	.380	.411	9.65	10.45	
C	.160	.190	4.06	4.83	
D	.020	.035	0.51	0.89	
E	.045	.055	1.14	1.40	
G	.095	.105	2.41	2.67	
H	.096	.120	2.43	3.03	
J	.014	.021	0.35	0.53	
K	.090	.110	2.29	2.79	
S	.575	.625	14.60	15.80	
V	.045	.055	1.14	1.40	

SUGGESTED SOLDER PAD LAYOUT



GPA801DT THRU GPA807DT

RATINGS AND CHARACTERISTIC CURVES

FIG.1- MAXIMUM FORWARD CURRENT DERATING CURVE

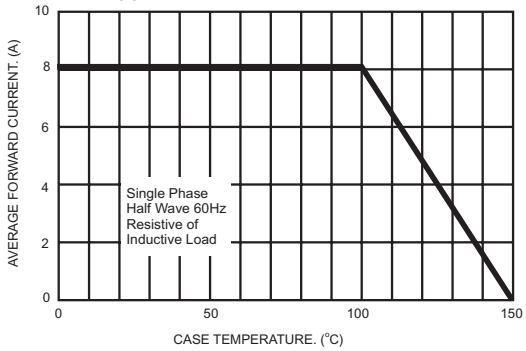


FIG.2- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

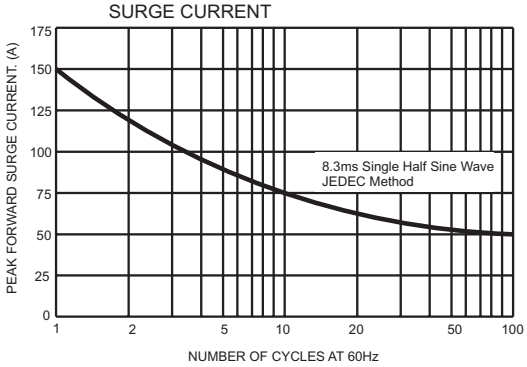


FIG.3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

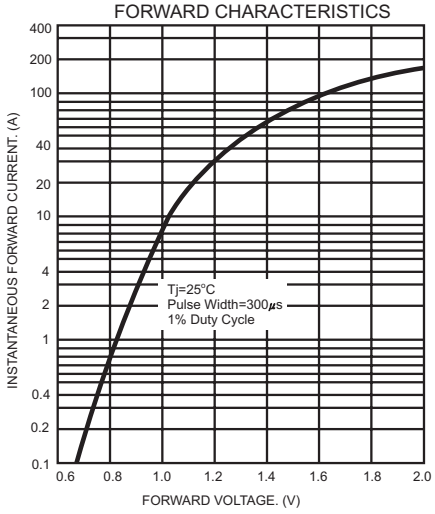


FIG.4- TYPICAL REVERSE CHARACTERISTICS

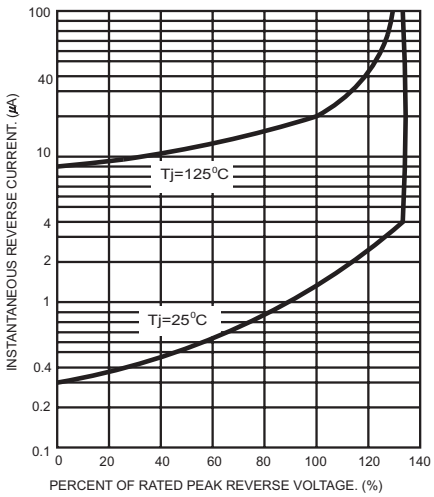
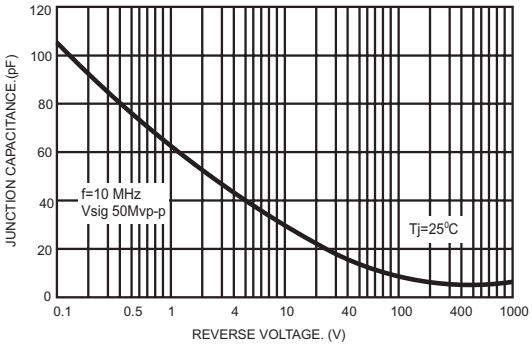


FIG.5- TYPICAL JUNCTION CAPACITANCE



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Ordering Information :

Device	Packing
Part Number-BP	Tube: 1Kpcs/Box

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