Micro Commercial Components
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MGR1201 THRU MGR1207

12 Amp Glass Passivated Silicon Rectifiers 50 to 1000 Volts

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Low forward voltage drop
- High current capability
- High reliability
- High surge current capability
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

Maximum Ratings

- Operating Temperature: -55℃ to +150℃
- Storage Temperature: -55℃ to +150℃
- Typical Thermal Resistance: 2.0℃/W Junction to Case

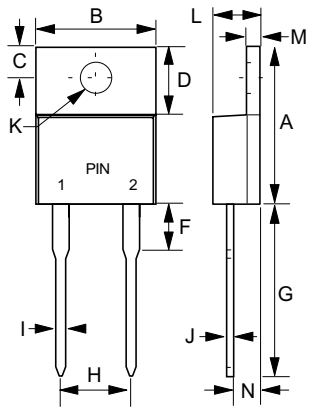
MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MGR1201	50	35	50
MGR1202	100	70	100
MGR1203	200	140	200
MGR1204	400	280	400
MGR1205	600	420	600
MGR1206	800	560	800
MGR1207	1000	700	1000

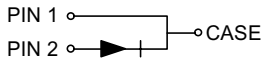
Electrical Characteristics @ 25℃ Unless Otherwise Specified

Maximum Average Forward Current	$I_{F(AV)}$	12 A	T_C = 100℃
Peak Forward Surge Current	I_{FSM}	600A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	1.1V	I_F=12A T_A=25℃
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	5μA 250μA	T_A = 25℃ T_A = 125℃
Typical Junction Capacitance	C_J	100pF	Measured at 1.0MHz, V_R=4.0V

Notes:1.High Temperature Solder Exemption Applied, see EU Directive Annex 7.

TO-220AC





DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	.560	.625	14.22	15.88	
B	.380	.420	9.65	10.67	
C	.100	.135	2.54	3.43	
D	.230	.270	5.84	6.86	
F	------	.250	------	6.35	
G	.500	.580	12.70	14.73	
H	.190	.210	4.83	5.33	
I	.020	.045	0.51	1.14	
J	.012	.025	0.30	0.64	
K	.139	.161	3.53	4.09	⌀
L	.140	.190	3.56	4.83	
M	.045	.055	1.14	1.40	
N	.080	.115	2.03	2.92	

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Ordering Information

Device	Packing
(Part Number)-BP	Bulk;1Kpcs/Box

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