Micro Commercial Components
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DB201L THRU DB207L

2.0 Amp Single Phase Glass Passivated Bridge Rectifier 50 to 1000 Volts

Features

- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)
- 4-PIN DIP Package
- Glass Passivated Diode Construction
- High Surge Forward Current Capability
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

- Operating Junction Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Thermal Resistance : Rthja: 68C/W;RthJL:15C/W.

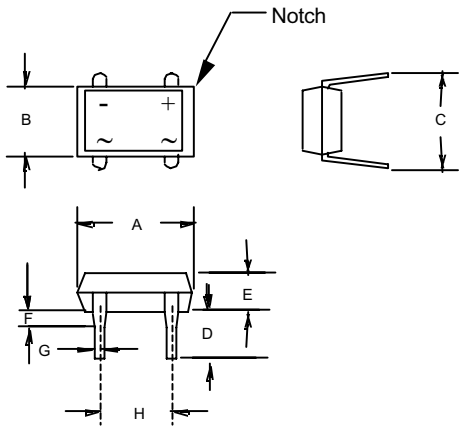
MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
DB201L	DB201L	50V	35V	50V
DB202L	DB202L	100V	70V	100V
DB203L	DB203L	200V	140V	200V
DB204L	DB204L	400V	280V	400V
DB205L	DB205L	600V	420V	600V
DB206L	DB206L	800V	560V	800V
DB207L	DB207L	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	2.0 A	T_A = 40°C
Peak Forward Surge Current	I_{FSM}	60A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	1.1V	I_{FM} = 2.0A; T_J = 25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10μA	T_J = 25°C
Current Squared Time	I^2t	$15A^2S$	1ms≤t<8.3ms Tj=25℃, Rating of per diode

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

DBL-1



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	.316	.335	8.05	8.51	
B	.245	.255	6.20	6.50	
C	.300	.350	7.60	8.90	
D	.150	.185	3.81	4.69	
E	.093	.096	2.35	2.45	
F	.050	.080	1.27	2.03	
G	.018	.023	.46	.56	
H	.195	.205	5.00	5.20	

DB201L thru DB207L

Characteristics(Typical)

FIG1:Io-Ta Curve

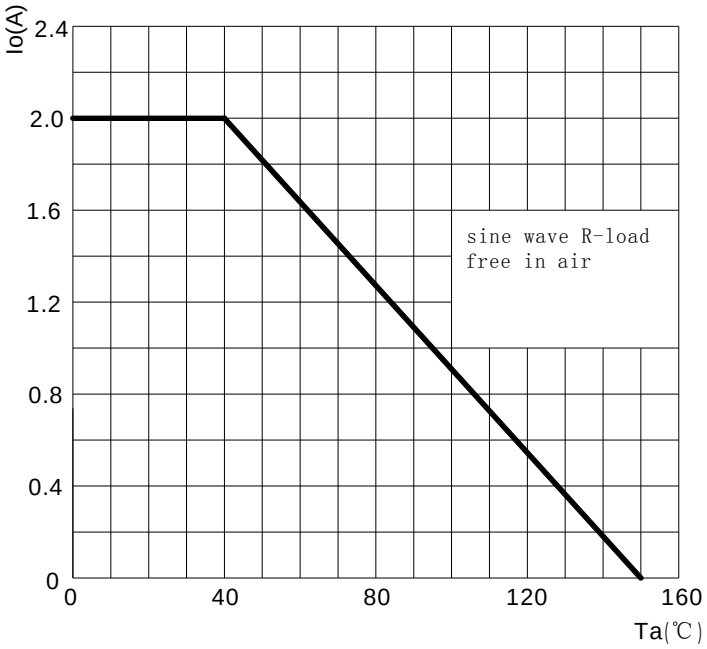


FIG2:Surge Forward Current Capadility

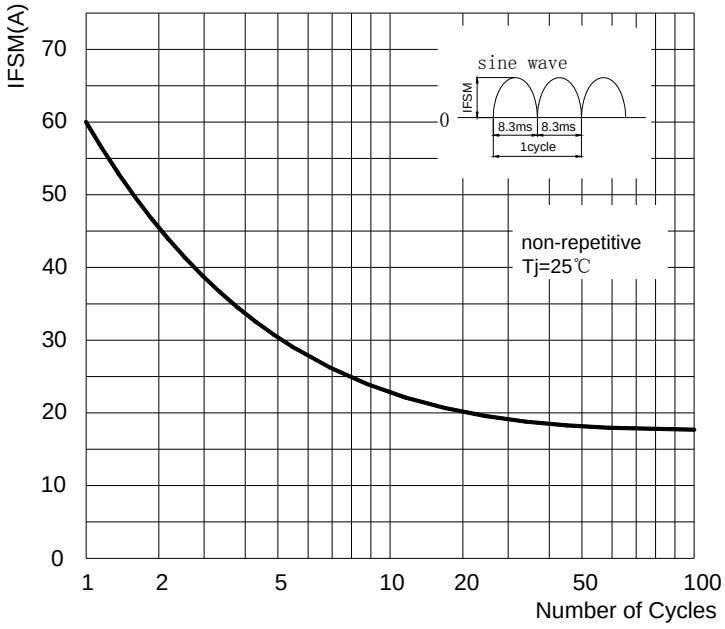


FIG3: Forward Voltage

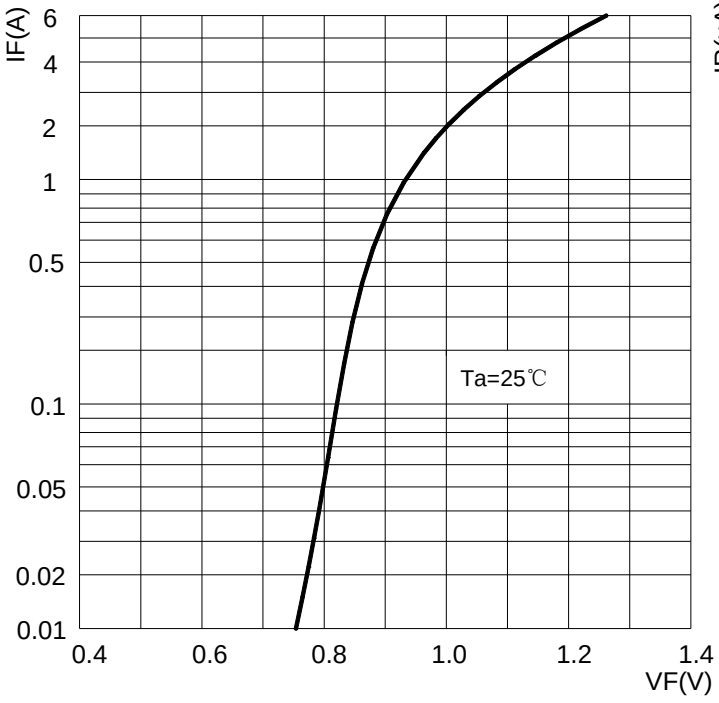
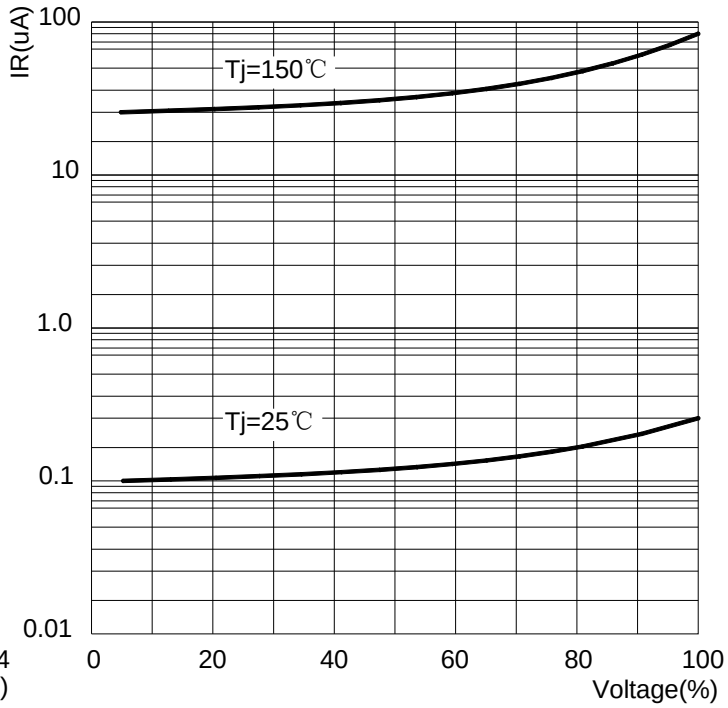


FIG4:Typical Reverse Characteristics



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Ordering Information :

Device	Packing
Part Number-BP	Bulk: 2.5Kpcs/Box

Note : Adding "-HF" suffix for halogen free, eg. Part Number-BP-HF

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