BACO SEMICONDUCTOR CO., LTD. MBRA40045CTL

LOW VF SCHOTTKY DIODE MODULE TYPE

Features

High Surge Capability

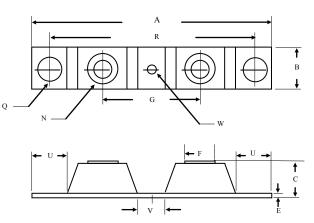
Maximum Ratings

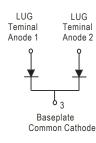
Operating Temperature: -40 $^{\circ}$ C to+100 $^{\circ}$ C storage Temperatur: -40 $^{\circ}$ C to+150 $^{\circ}$ C

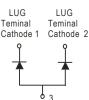
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRA40045CTL	45V	32V	45V

HEAVY TWIN TOWER

400 Amp Rectifier 45 Volts







Baseplate R=Common Anode

DIM	Inches		Millimeters		
	Min	Max	Min	Max	
А		3.64		92.3	
В	1.06	1.067	26.9	27.1	
С		0.740		18.8	
Е	0.134	0.14	3.4	3.55	
F	0.520	0.527	13.2	13.4	
G	1.49	BSC	38.0	BSC	
Ν	1/4-20 UNC FULL				
Q	0.275	0.290	6.99	7.37	
R	3.150	BSC	80.01	BSC	
U	0.512		13.0		
V	0.449	0.472	11.4	12.0	
W	0.180	0.195	4.57	4.95	

Electrical Characteristics @ 25 $^{\circ}$ C Unless Otherwise Specified

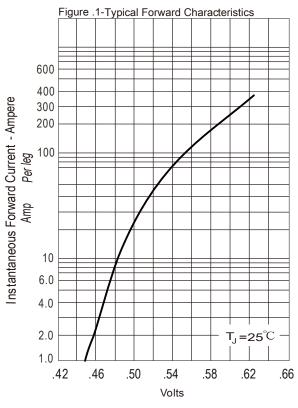
Average Forward				
F(AV)	400A	TC=100°C		
IESM	3000A	8.3ms, half sine		
	0000/1			
V _F	0.60V	^I FM=200A; TJ=25 [°] C		
I _R	5.0mA	TJ= 25 ℃		
	350mA	TJ =100 °C		
Rojc	0.35 °C/W			
	IFSM V _F I _R	IFSM 3000A V _F 0.60V I _R 5.0mA 350mA		

NOTE :

(1) Pulse Test: Pulse Width 300 μ sec. Duty Cycle < 2%

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Instantaneous Forward Voltage - Volts

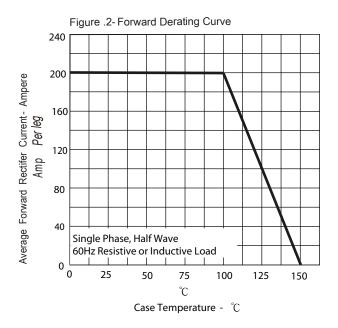
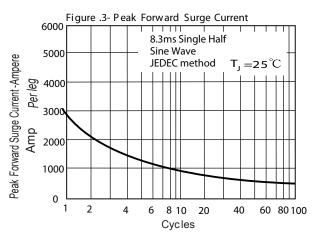
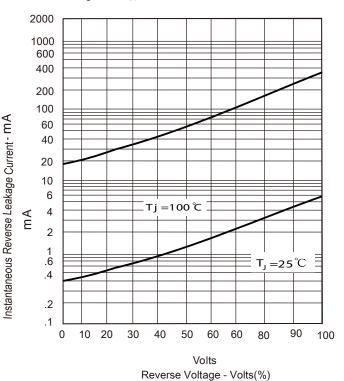


Figure .4-Typical Reverse Characteristics



Number Of Cycles At 60Hz - Cycles





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