



Micro Commercial Components  
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# MB354CA

## Features

- Mounting Hole For #8 Screw
- High Conductivity Metal Case
- Any Mounting Position
- Surge Rating Of 400 Amps

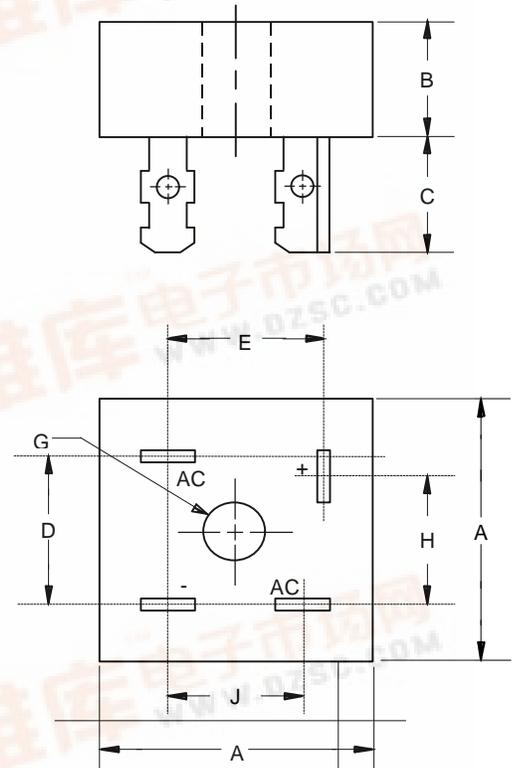
## 35 Amp Single Phase Bridge Rectifier 400 Volts

## Maximum Ratings

- Operating Temperature: -55°C to +175°C
- Storage Temperature: -55°C to +175°C

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum Avalanche Blockdown Voltage	Maximum Avalanche Blockdown Voltage
		$V_{RRM}(V)$	$V_{BR}(V)$	$V_{BR}(V)$
MB354CA	MB354CA	400V	450V	900V

MB-35



## Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	35.0A	$T_C = 55^\circ C$
Peak Forward Surge Current	$I_{FSM}$	400A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	$V_F$	1.2V	$I_{FM} = 17.5A$ per element; $T_J = 25^\circ C$
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	10 $\mu A$ 1.0mA	$T_J = 25^\circ C$ $T_J = 100^\circ C$

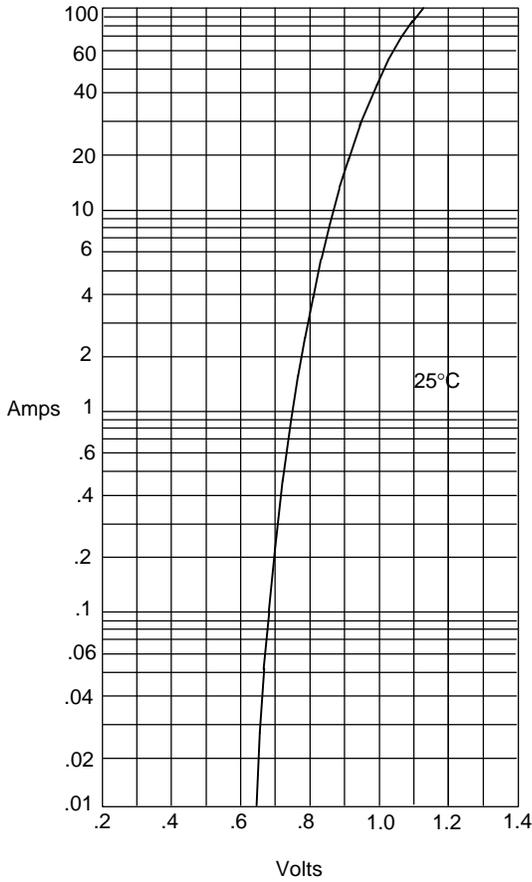
\*Pulse test: Pulse width 300  $\mu sec$ , Duty cycle 1%

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.115	1.135	28.33	28.83	
B	.427	.447	10.85	11.35	
C	.428	.468	10.87	11.89	
D	.688	.730	17.48	18.50	
E	.618	.658	15.70	16.71	
G	.193	---	4.90	---	$\varnothing$
H	.618	.658	15.70	16.71	
J	.530	.570	13.46	14.48	



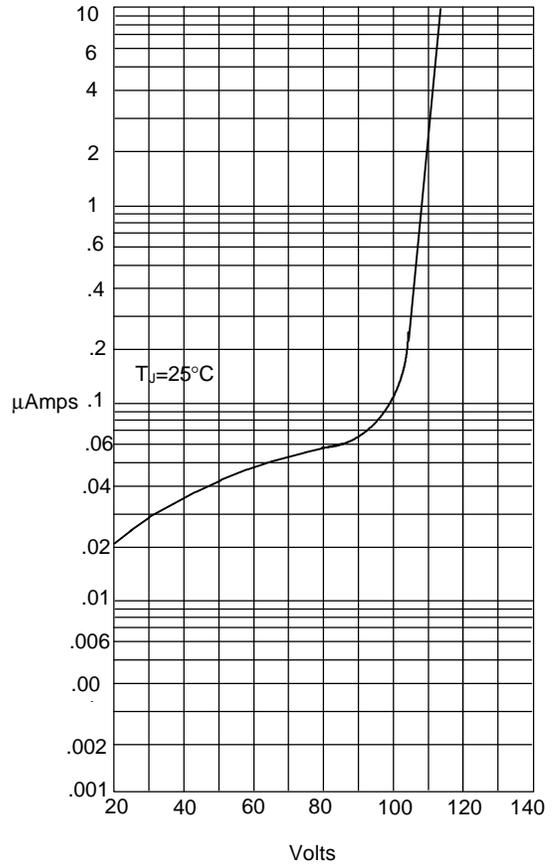
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Figure 1  
Typical Forward Characteristics



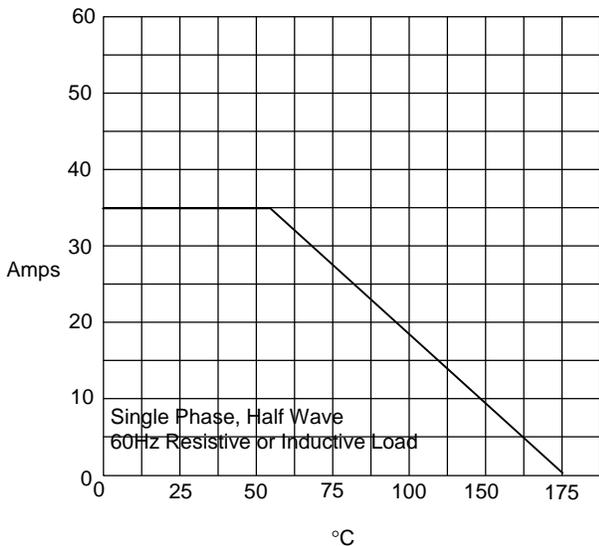
Instantaneous Forward Current - Amperes versus  
Instantaneous Forward Voltage - Volts

Figure 2  
Typical Reverse Characteristics



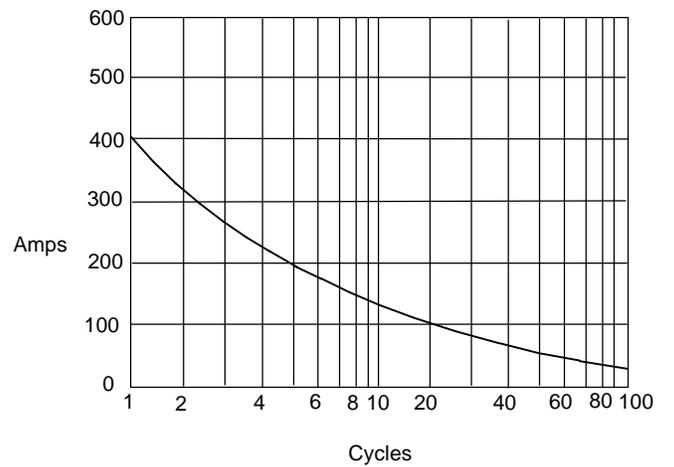
Instantaneous Reverse Leakage Current - MicroAmperes versus  
Percent Of Rated Peak Reverse Voltage - Volts

Figure 3  
Forward Derating Curve



Average Forward Rectified Current - Amperes versus  
Case Temperature - °C

Figure 4  
Peak Forward Surge Current



Peak Forward Surge Current - Amperes versus  
Number Of Cycles At 60Hz - Cycles