

DIB 1 Amp Dual In-Line Bridge, Surface Mount VM-S Series

For Surface Mount Applications

50V, 100V, 200V, 400V, 600V, 800V and 1000V V_{RRM} Ratings

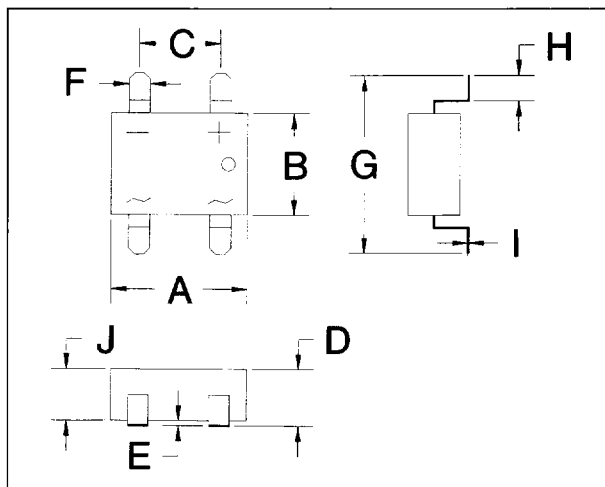
25 Amps Peak One Half Cycle Surge Current

Glass Passivated Diodes

Standard .10" —2,54MM Lead Spacing

Moisture Resistant Epoxy Case

LTR.	INCHES	MILLIMETERS
A	.319-.331	8,1-8,4
B	.240-.252	6,1-6,4
C	.190-.210	4,83-5,33
D	.134-.142	3,4-3,6
E	.012 MAX	0,3 MAX
F	.048-.052	1,22-1,32
G	.441 MAX	11,2 MAX
H	.060 MAX	1,52 MAX
I	.009-.011	0,23-0,28
J	.120-.130	3,05-3,30



MAXIMUM RATINGS (At $T_A = 25^\circ\text{C}$ unless otherwise noted)

RATINGS	SYMBOL	VM08S	VM18S	VM28S	VM48S	VM68S	VM88S	VM108S
DC Blocking Voltage	V_{RM}	50V	100V	200V	400V	600V	800V	1000V
Working Peak Reverse Voltage	V_{RRM}							
Peak Repetitive Reverse Voltage	V_{RRM}							
RMS Reverse Voltage	$V_{R(RMS)}$	35V	70V	140V	280V	420V	560V	700V
Peak Surge Current, $\frac{1}{2}$ Cycle at 60 Hz (non-rep) and $T_A = 40^\circ\text{C}$	I_{FSM}	25 Amps						
Peak Surge Current, 1 sec at 60 Hz and $T_A = 40^\circ\text{C}$	I_{FRM}	11 Amps						
DC Forward Current at $T_A = 40^\circ\text{C}$	I_O	1 Amp						
Junction Operating and Storage Temperature Range	T_J, T_{STG}	- 50 to + 150°C						
Max. Soldering Temperature and Time		10 sec. at 265°C						

ELECTRICAL CHARACTERISTICS (At $T_A = 25^\circ\text{C}$ unless otherwise noted)

CHARACTERISTICS	SYMBOL	
Maximum Instantaneous Forward Voltage Drop (per diode) at 1 Amp	V_{FM}	1.2V
Maximum Reverse Current (per diode) at Rated V_{RRM}	I_{RM}	3.0 μA
Maximum Reverse Current (per diode) at Rated V_{RRM} and $T_A = 150^\circ\text{C}$	I_{RM}	0.5mA

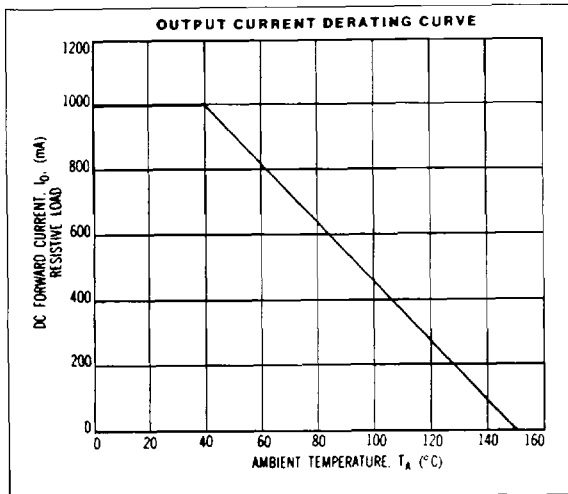


FIGURE 1

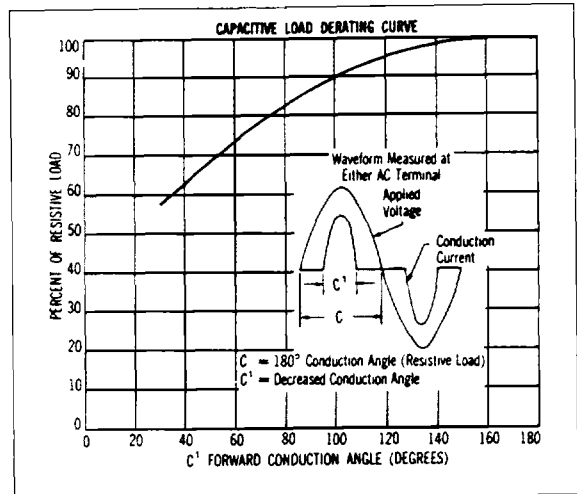


FIGURE 2

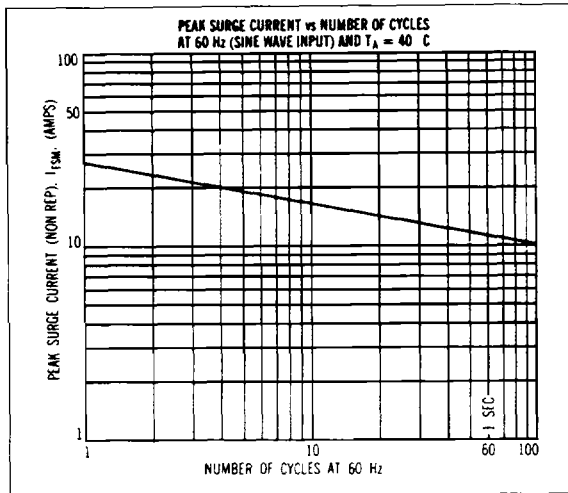


FIGURE 3

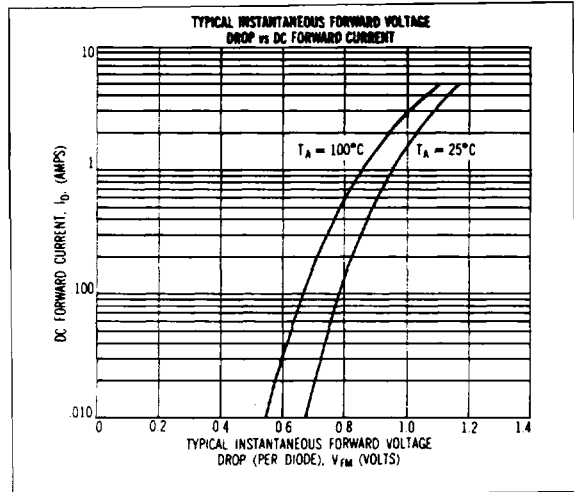


FIGURE 4

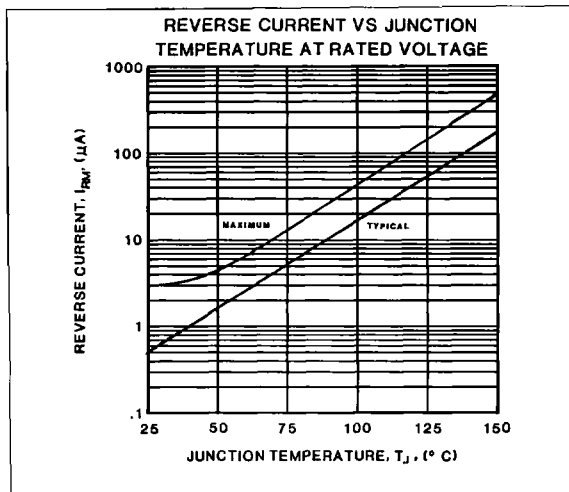


FIGURE 5