

DIB

1 Amp Dual In-Line Bridge VM Series

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

25 Amps Peak One Half Cycle Surge Current

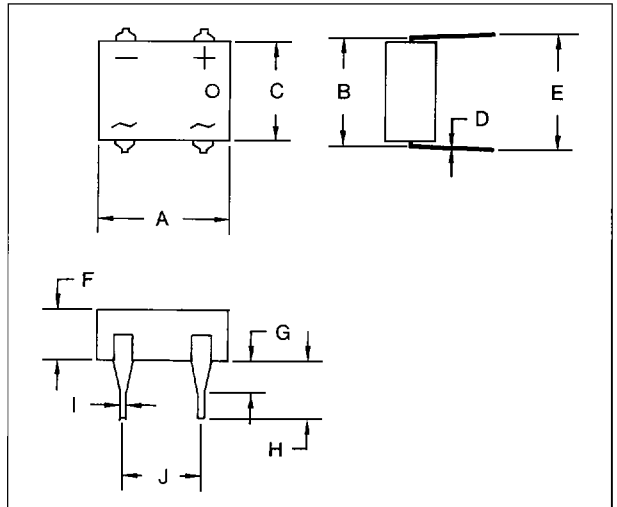
Glass Passivated Diodes

Standard .10" — 2,54MM Dip Lead Spacing

2 Dibs Will Fit Into Standard 14 Pin Dip Socket

Moisture Resistant Epoxy Case

LTR.	INCHES	MILLIMETERS
A	.320-.335	8,13-8,51
B	.290-.310	7,37-7,87
C	.245-.255	6,22-6,48
D	.008-.012	0,20-0,30
E	.300-.350	7,62-8,89
F	.120-.130	3,05-3,30
G	.050-.080	1,27-2,03
H	.185-.215	4,70-5,46
I	.018-.022	0,46-0,56
J	.195-.205	4,95-5,21



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

RATING	SYMBOL	VM08	VM18	VM28	VM48	VM68	VM88	VM108
DC Blocking Voltage	V_{RM}	50V	100V	200V	400V	600V	800V	1000V
Working Peak Reverse Voltage	V_{RWM}							
Peak Repetitive Reverse Voltage	V_{RRM}							
RMS Reverse Voltage	$V_{R(RMS)}$	35V	70V	140V	280V	420V	560V	700V
Peak Surge Current, 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 μ A
Maximum Reverse Current (per diode) at Rated V_{RRM} and $T_A = 150^\circ\text{C}$	I_{RM}	0.5mA

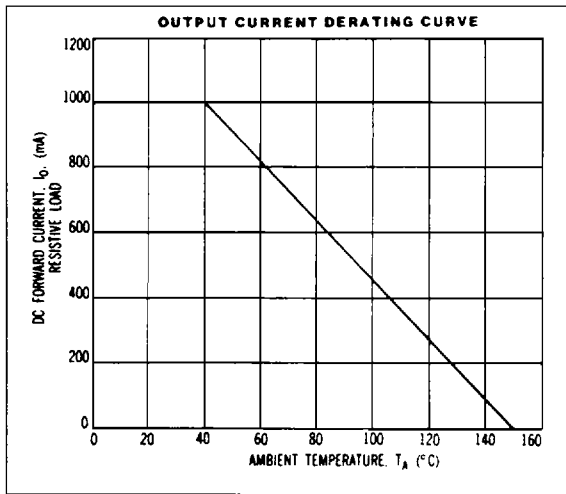


FIGURE 1

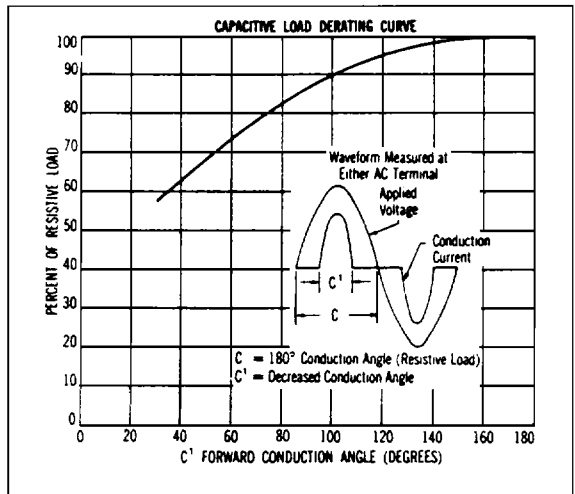


FIGURE 2

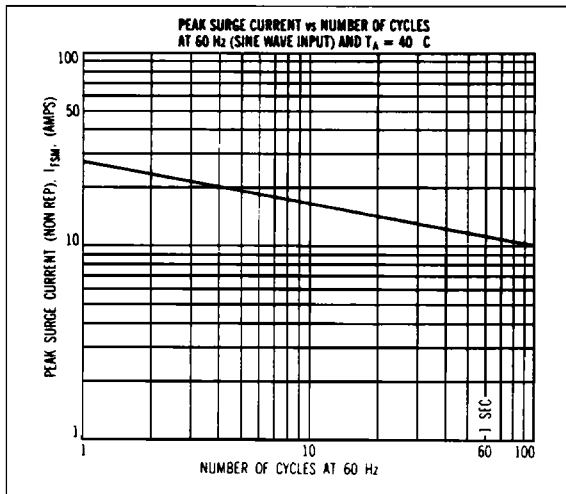


FIGURE 3

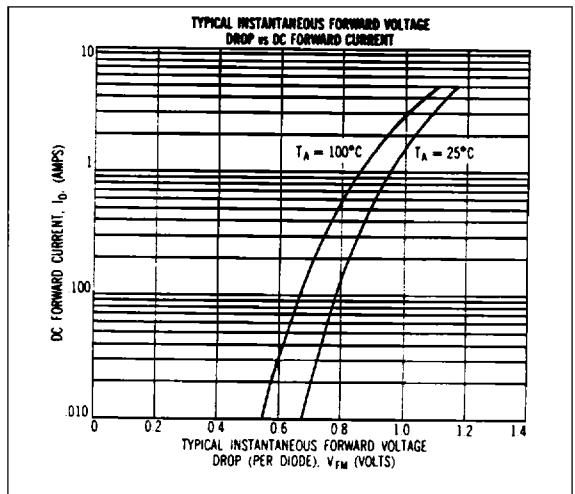


FIGURE 4

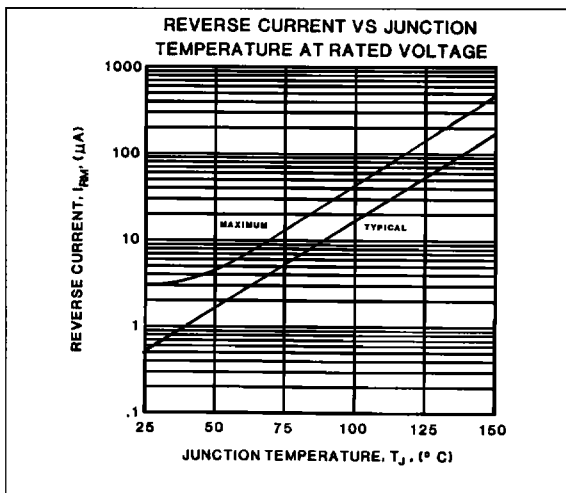


FIGURE 5