

SINGLE PHASE BRIDGE

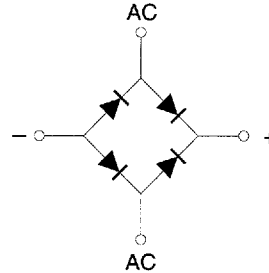
70nS•150nS•3000nS RECOVERY

1102B	1102FB	1102UFB
1104B	1104FB	1104UFB
1106B	1106FB	1106UFB
1108B	1108FB	1108UFB
1110B	1110FB	1110UFB

$$V_{RWM} = 200-1000V$$

$$I_F = 1.4 - 1.5A$$

Assemblies available with JAN, JANTX, or JANTXV discrete diodes. Consult sales office.



ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage - (V _{rwm})	Average Rectified Current - (I _o)		Reverse Current @ V _{RWM} (I _r)		Forward Voltage - (V _f)		1 Cycle Surge Current tp=8.3mS (I _{fsm})	Repetitive Surge Current - (I _{frm})	Reverse Recovery Time (1) (T _{rr})	Thermal Impedance (2) - (J-C)
		55°C	100°C	25°C	100°C	25°C	25°C				
		Volts	Amps	Amps	µA	µA	Volts				
1102B	200	1.5	1.0	2.0	40	1.1	1.0	50	10	3000	22.5
1104B	400	1.5	1.0	2.0	40	1.1	1.0	50	10	3000	22.5
1106B	600	1.5	1.0	2.0	40	1.1	1.0	50	10	3000	22.5
1108B	800	1.5	1.0	2.0	40	1.1	1.0	50	10	3000	22.5
1110B	1000	1.5	1.0	2.0	40	1.1	1.0	50	10	3000	22.5
1102FB	200	1.5	1.0	2.0	40	1.3	1.0	25	6.0	150	22.5
1104FB	400	1.5	1.0	2.0	40	1.3	1.0	25	6.0	150	22.5
1106FB	600	1.5	1.0	2.0	40	1.3	1.0	25	6.0	150	22.5
1108FB	800	1.5	1.0	2.0	40	1.3	1.0	25	6.0	150	22.5
1110FB	1000	1.5	1.0	2.0	40	1.3	1.0	25	6.0	150	22.5
1102UFB	200	1.4	0.9	2.0	40	1.7	1.0	25	5.0	70	22.5
1104UFB	400	1.4	0.9	2.0	40	1.7	1.0	25	5.0	70	22.5
1106UFB	600	1.4	0.9	2.0	40	1.7	1.0	25	5.0	70	22.5
1108UFB	800	1.4	0.9	2.0	40	1.7	1.0	25	5.0	70	22.5
1110UFB	1000	1.4	0.9	2.0	40	1.7	1.0	25	5.0	70	22.5

- (1) T_{rr} tested on diodes prior to assembly @ I_F=0.5A, I_R=1.0A, I_{RR}=0.25A.
 - (2) Operating Temp.: -65°C to +150°C • Storage Temp.: -65°C to +175°C.
All ratings at 25°C unless otherwise specified.
- For different pin configurations, the packages can be identified by adding the appropriate letter ie: B, C, D, or E (eg 1110C). See drawing on following page.

Screening available.
(See Appendix D)
Contact our Applications
Engineering Dept. for
custom configurations.



VOLTAGE MULTIPLIERS INC.
8711 W. Roosevelt Ave.
Visalia, CA., 93291

Tel. 209-651-1402

Fax 209-651-0740

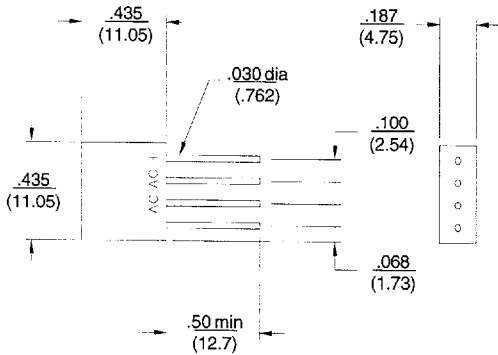
SINGLE PHASE BRIDGE

70nS•150nS•3000nS RECOVERY

1102B	1102FB	1102UFB
1104B	1104FB	1104UFB
1106B	1106FB	1106UFB
1108B	1108FB	1108UFB
1110B	1110FB	1110UFB

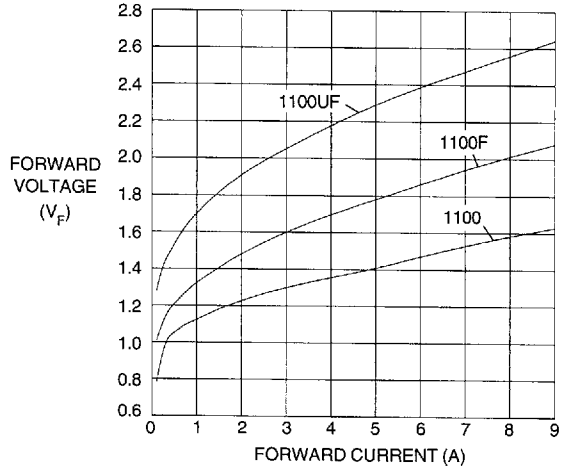
MECHANICAL in.(mm)

Tolerances: .XXX ± .010

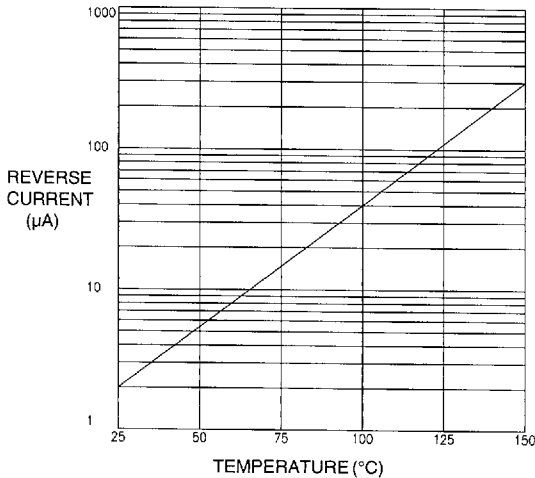


1100C as 1100B except pin configuration AC - AC +
 1100D as 1100B except pin configuration AC + AC -
 1100E as 1100B except pin configuration AC - + AC

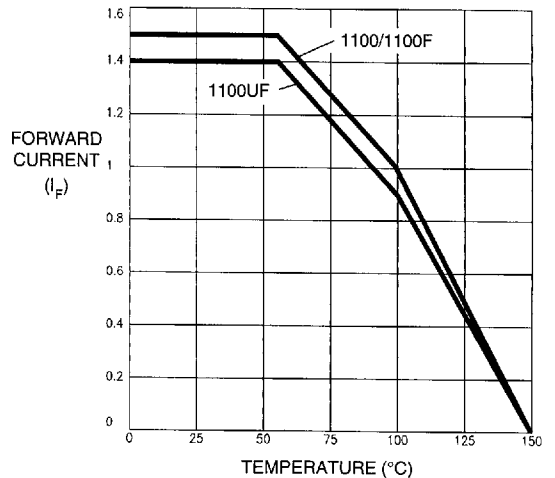
TYPICAL FORWARD VOLTAGE VS. FORWARD CURRENT AT 25°C



TYPICAL REVERSE CURRENT VS. TEMPERATURE AT PIV



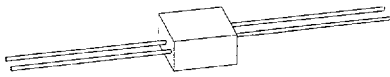
MAXIMUM FORWARD CURRENT VS. TEMPERATURE



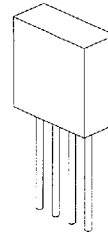
VOLTAGE MULTIPLIERS INC.
 8711 W. Roosevelt Ave.
 Visalia, CA., 93291

Tel. 209-651-1402

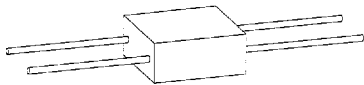
Fax 209-651-0740



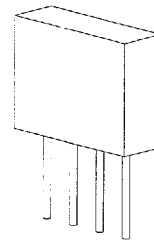
1100A



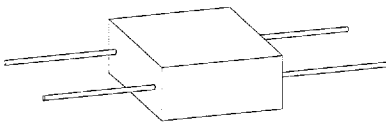
1100B



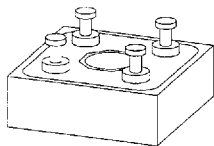
1100F



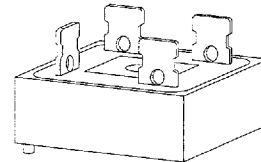
1200B



1200A



1300
& 1400



1500