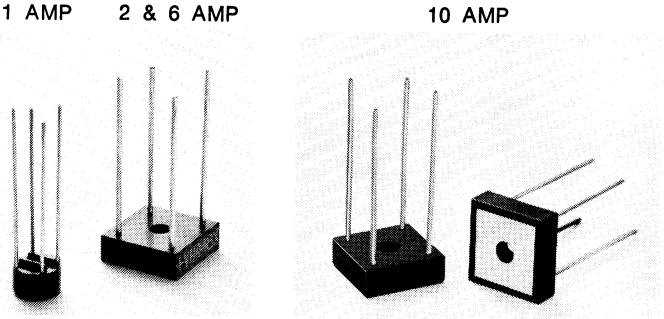
EBR EPOXY BRIDGE RECTIFIERS

- **Controlled Avalanche series has 250V, 450V, 650V and 850V minimum avalanche voltages (V_{BR})**
- **Non-controlled Avalanche series with 50V, 100V, 200V, 400V, 600V and 800V, and 1000 (V_{RRM})**
- **Fast recovery series with 200 nanosec. max. reverse recovery (t_{rr}).**

The EBR bridge rectifiers combine economical cost, high reliability and circuit-to-case electrical isolation. They are available in a wide range of current and voltage ratings.

1 AMP 2 & 6 AMP 10 AMP



MAXIMUM RATINGS @ $T_A = 25°C$ (UNLESS OTHERWISE SPECIFIED)

Vare Part Number	Peak Rep. Reverse Voltage (V_{RRM}) (Volts)	RMS Reverse Voltage ($V_{R(RMS)}$) (Volts)	Power Dissipation (100 μsec sq. wave) (P_{RM}) (Watts)	Peak Surge Current (½ cycle @ 60 Hz, Non-Rep) (I_{FSM}) (Amps)	DC Forward Current (I_O) (Amps)	Junction Operating Stg. Temp. Range (T_J, T_{STG}) (°C)
1 AMP CONTROLLED AVALANCHE						
VE27	200	140	200	25 @ T_A = 65°C	1 @ T_A = 65°C	−50 to +150
VE47	400	280	200	25 @ T_A = 65°C	1 @ T_A = 65°C	−50 to +150
VE67	600	420	200	25 @ T_A = 65°C	1 @ T_A = 65°C	−50 to +150
VE87	800	560	200	25 @ T_A = 65°C	1 @ T_A = 65°C	−50 to +150
1 AMP NON-CONTROLLED AVALANCHE						
W110	25	17		25 @ T_A = 65°C	1 @ T_A = 65°C	−50 to +150
VE08	50	35		25 @ T_A = 65°C	1 @ T_A = 65°C	−50 to +150
VE18	100	70		25 @ T_A = 65°C	1 @ T_A = 65°C	−50 to +150
VE28	200	140	NA	25 @ T_A = 65°C	1 @ T_A = 65°C	−50 to +150
VE48	400	280		25 @ T_A = 65°C	1 @ T_A = 65°C	−50 to +150
VE68	600	420		25 @ T_A = 65°C	1 @ T_A = 65°C	−50 to +150
VE88	800	560		25 @ T_A = 65°C	1 @ T_A = 65°C	−50 to +150
VE108	1000	700		25 @ T_A = 65°C	1 @ T_A =65°C	−50 to +150
1 AMP FAST RECOVERY						
VE08X	50	35		17 @ T_A = 40°C	1 @ T_A = 40°C	−50 to +125
VE18X	100	70		17 @ T_A = 40°C	1 @ T_A = 40°C	−50 to +125
VE28X	200	140	NA	17 @ T_A = 40°C	1 @ T_A = 40°C	−50 to +125
VE48X	400	280		17 @ T_A = 40°C	1 @ T_A = 40°C	−50 to +125
VE68X	600	560		17 @ T_A = 40°C	1 @ T_A = 40°C	−50 to +125
2 AMP CONTROLLED AVALANCHE						
VS247 *	200	140	300	50 @ T_A = 60°C	2 @ T_A = 60°C	−50 to +150
VS447 *	400	280	300	50 @ T_A = 60°C	2 @ T_A = 60°C	−50 to +150
VS647 *	600	420	300	50 @ T_A = 60°C	2 @ T_A = 60°C	−50 to +150
VS847 *	800	560	300	50 @ T_A = 60°C	2 @ T_A = 60°C	−50 to +150
2 AMP NON-CONTROLLED AVALANCHE						
VS048 *	50	35		50 @ T_A = 60°C	2 @ T_A = 60°C	−50 to +150
VS148 *	100	70		50 @ T_A = 60°C	2 @ T_A = 60°C	−50 to +150
VS248 *	200	140	NA	50 @ T_A = 60°C	2 @ T_A = 60°C	−50 to +150
VS448 *	400	280		50 @ T_A = 60°C	2 @ T_A = 60°C	−50 to +150
VS648 *	600	420		50 @ T_A = 60°C	2 @ T_A = 60°C	−50 to +150
VS848 *	800	560		50 @ T_A = 60°C	2 @ T_A = 60°C	−50 to +150
VS1048 *	1000	700		50 @ T_A = 60°C	2 @ T_A = 60°C	−50 to +150
2 AMP FAST RECOVERY						
VS048X *	50	35		35 @ T_A = 45°C	2 @ T_A = 45°C	−50 to +135
VS148X *	100	70		35 @ T_A = 45°C	2 @ T_A = 45°C	−50 to +135
VS248X *	200	140	NA	35 @ T_A = 45°C	2 @ T_A = 45°C	−50 to +135
VS448X *	400	280		35 @ T_A = 45°C	2 @ T_A = 45°C	−50 to +135
VS648X *	600	420		35 @ T_A = 45°C	2 @ T_A = 45°C	−50 to +135
6 AMP CONTROLLED AVALANCHE (See Note 1)						
VH247 *	200	140	400	100 @ T_{HS} = 80°C	6 @ T_{HS} = 80°C	−50 to +150
VH447 *	400	280	400	100 @ T_{HS} = 80°C	6 @ T_{HS} = 80°C	−50 to +150
VH647 *	600	420	400	100 @ T_{HS} = 80°C	6 @ T_{HS} = 80°C	−50 to +150
VH847 *	800	560	400	100 @ T_{HS} = 80°C	6 @ T_{HS} = 80°C	−50 to +150
VH1048 *	1000	700	400	100 @ T_{HS} = 80°C	6 @ T_{HS} = 80°C	−50 to +150
6 AMP NON-CONTROLLED AVALANCHE (See Note 1)						
VH048 *	50	35		100 @ T_{HS} = 80°C	6 @ T_{HS} = 80°C	−50 to +150
VH148 *	100	70		100 @ T_{HS} = 80°C	6 @ T_{HS} = 80°C	−50 to +150
VH248 *	200	140	NA	100 @ T_{HS} = 80°C	6 @ T_{HS} = 80°C	−50 to +150
VH448 *	400	280		100 @ T_{HS} = 80°C	6 @ T_{HS} = 80°C	−50 to +150
VH648 *	600	420		100 @ T_{HS} = 80°C	6 @ T_{HS} = 80°C	−50 to +150
VH848 *	800	560		100 @ T_{HS} = 80°C	6 @ T_{HS} = 80°C	−50 to +150
5 AMP FAST RECOVERY (See Note 1)						
VH048X *	50	35		65 @ T_{HS} = 60°C	5 @ T_{HS} = 60°C	−50 to +135
VH148X *	100	70		65 @ T_{HS} = 60°C	5 @ T_{HS} = 60°C	−50 to +135
VH248X *	200	140	NA	65 @ T_{HS} = 60°C	5 @ T_{HS} = 60°C	−50 to +135
VH448X *	400	280		65 @ T_{HS} = 60°C	5 @ T_{HS} = 60°C	−50 to +135
VH648X *	600	560		65 @ T_{HS} = 60°C	5 @ T_{HS} = 60°C	−50 to +135
10 AMP CONTROLLED AVALANCHE						
VJ247	200	140	400	100 @ T_C = 60°C	10 @ T_C = 60°C	−50 to +150
VJ447	400	280	400	100 @ T_C = 60°C	10 @ T_C = 60°C	−50 to +150
VJ647	600	420	400	100 @ T_C = 60°C	10 @ T_C = 60°C	−50 to +150
VJ847	800	560	400	100 @ T_C = 60°C	10 @ T_C = 60°C	−50 to +150
10 AMP NON-CONTROLLED AVALANCHE						
VJ048	50	35		100 @ T_C = 60°C	10 @ T_C = 80°C	−50 to +150
VJ148	100	70		100 @ T_C = 60°C	10 @ T_C = 80°C	−50 to +150
VJ248	200	140	NA	100 @ T_C = 60°C	10 @ T_C = 80°C	−50 to +150
VJ448	400	280		100 @ T_C = 60°C	10 @ T_C = 80°C	−50 to +150
VJ648	600	420		100 @ T_C = 60°C	10 @ T_C = 80°C	−50 to +150
VJ848	800	560		100 @ T_C = 60°C	10 @ T_C = 80°C	−50 to +150
VJ1048	1000	700		100 @ T_C = 60°C	10 @ T_C = 80°C	−50 to +150
10 AMP FAST RECOVERY						
VJ048X	50	35		75 @ T_C = 60°C	10 @ T_C = 60°C	−50 to +150
VJ148X	100	70		75 @ T_C = 60°C	10 @ T_C = 60°C	−50 to +150
VJ248X	200	140	NA	75 @ T_C = 60°C	10 @ T_C = 60°C	−50 to +150
VJ448X	400	280		75 @ T_C = 60°C	10 @ T_C = 60°C	−50 to +150
VJ648X	600	420		75 @ T_C = 60°C	10 @ T_C = 60°C	−50 to +150

NOTE 1: Mount to heat sink as shown on next page for full rated I_O.