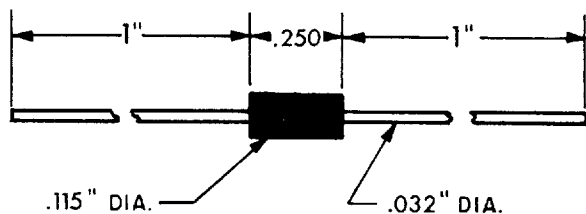


EDAL

SERIES B

MINIATURE SILICON RECTIFIERS



Series B silicon rectifiers meet moisture resistance requirements of MIL Standard 202A, Method 106 without the costly insulation required by glass-to-metal seal types. Smaller in size than other epoxy designs, the compact tubular construction and flexible leads facilitate circuit mounting and provide excellent thermal conductivity. Edal miniature silicon rectifiers offer stable uniform electrical characteristics by utilizing a double diffused junction technique. Standard and Bulk Avalanche types in voltage ratings from 50 to 1200 volts PIV, current range from 200 mA to 2.0 amps are available.

Also available in fast recovery.

ELECTRICAL RATINGS

Maximum Allowable DC Output Current for B-8 Series:
 at 25°C ambient temperature, 2.0 amps
 at 100°C ambient temperature, 1.0 amps
 at 150°C ambient temperature, 400 mA

Maximum Allowable One Cycle Surge Current:
 (60 Hz single phase non-recurrent,
 at rated PIV and no load) 60 amps

Maximum Full Load Forward Voltage Drop
 Peak at 50°C 1.0 volt

Maximum Reverse Current
 Peak at 25°C 5 μ A

Maximum Operating Frequency 100 KHz

Storage Temperature -65°C to 185°C

Ambient Operating Temperature -65°C to 175°C

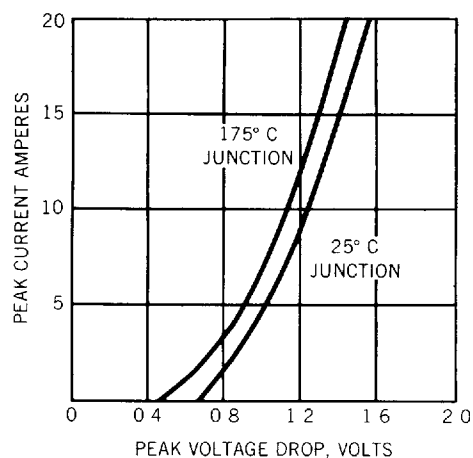
CODE	FORWARD CURRENT (mA)	CODE	PIV (VOLTS)	CODE	REVERSE CURRENT* (μ A)
1	200	A	50	1	1
2	600	B	100	5	5
3	750	C	200	9	Bulk
4	850	D	300		Avalanche
5	1000	E	400		
6	1200	F	500		
7	1500	G	600		
8	2000	H	700		
		K	800		
		M	1000		
		N	1200		
		P	1500		

B 5 B 5

First code represents series, second is forward current, third reverse volts, fourth reverse current. Series B 5 B 5, for example, is 1000 mA, 100 PIV, 5 μ A.

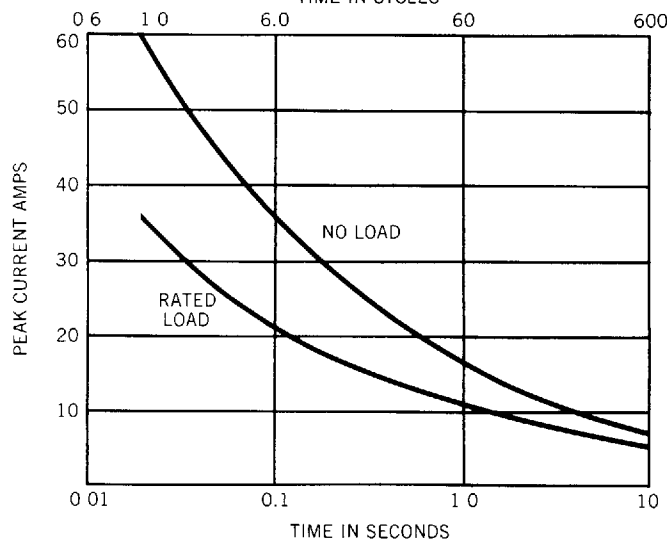
* at 25°C ambient temperature

PERFORMANCE CURVES ON REVERSE SIDE

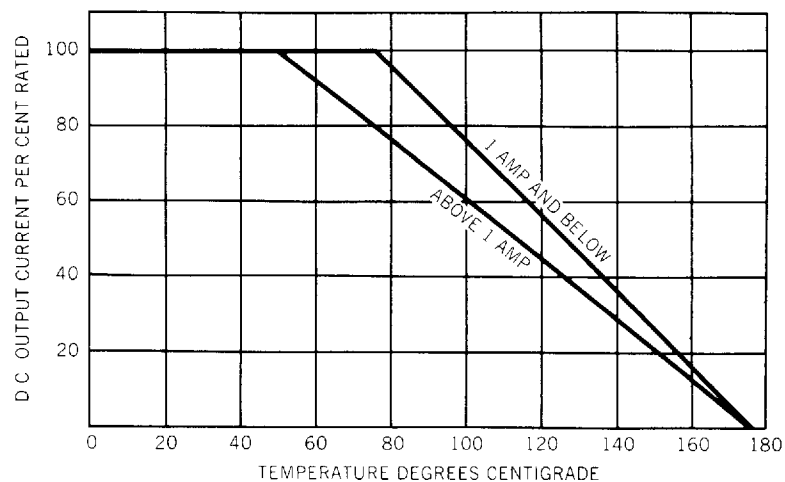
PEAK FORWARD CURRENT VS PEAK FORWARD
VOLTAGE DROP

SURGE CURRENT RATING

TIME IN CYCLES



CURRENT VS. TEMPERATURE

**EDAL INDUSTRIES, INC.****4 SHORT BEACH ROAD • EAST HAVEN, CONN. 06512**

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