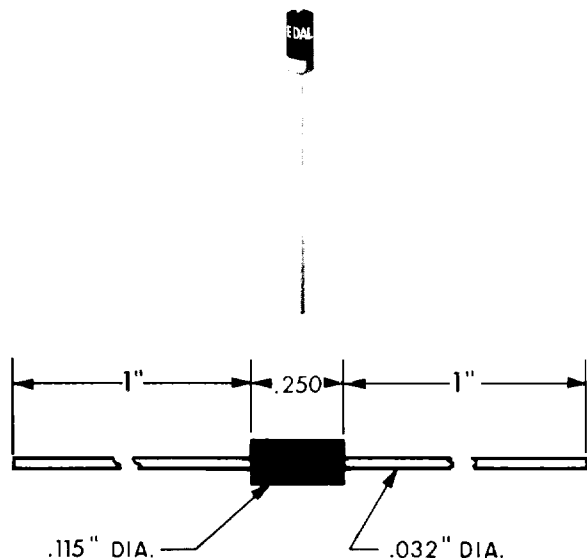


# EDAL

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.

## SERIES B SPECIFICATIONS

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

## 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 PRV 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  $\mu$  A

**Maximum Operating Frequency** 100 KHz

**Storage Temperature** -65°C to 185°C

**Ambient Operating Temperature** -65°C to 175°C

**B 5 B 5**

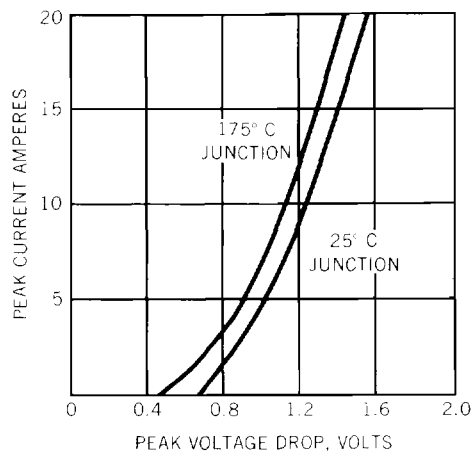
First code represents series, second is forward current, third reverse volts, fourth reverse current. Series B 5 B 5, for example, is 1000 mA, 100 PIV, 5  $\mu$  A.

\*at 25°C ambient temperature

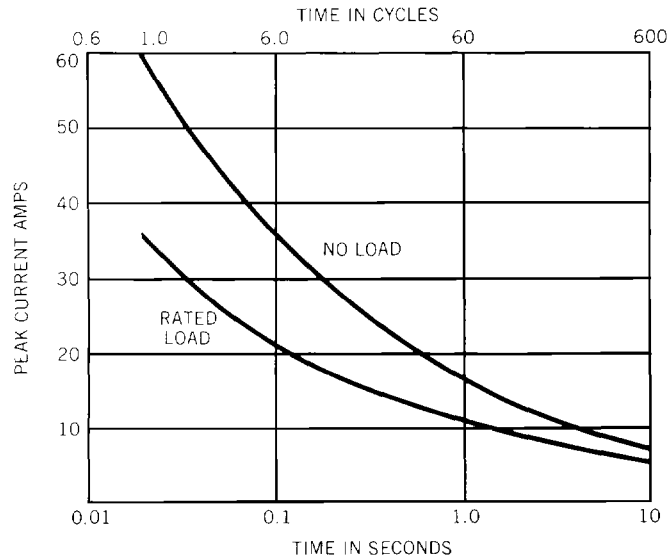
PERFORMANCE CURVES ON REVERSE SIDE

EDALS013\*

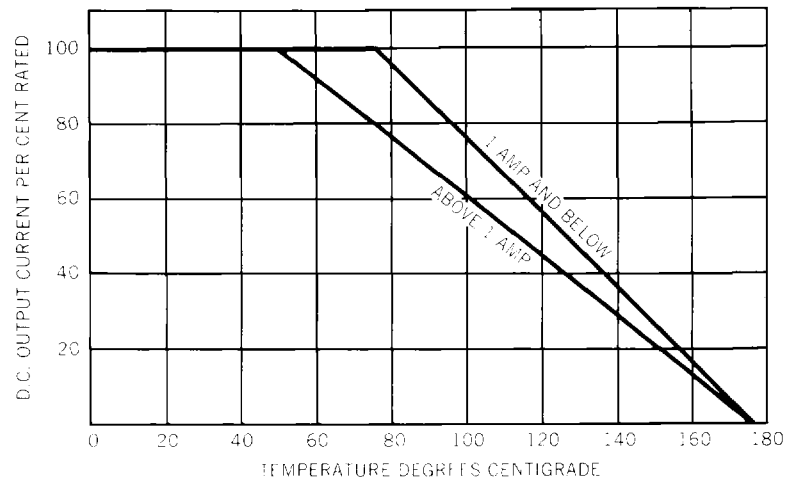
PEAK FORWARD CURRENT VS PEAK FORWARD  
VOLTAGE DROP



SURGE CURRENT RATING



CURRENT VS. TEMPERATURE



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