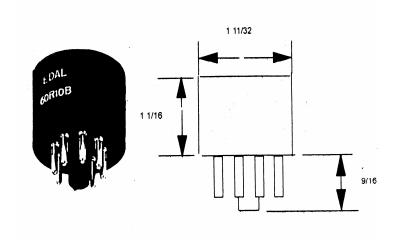
## **SERIES R**

## OCTAL SOCKET PLUG-IN SILICON RECTIFIER

In circuits calling for plug-in modules, Edal Series R silicon rectifiers offer compact design and efficient performance. As vacuum tube replacements, greater reliability and longer operating life are assured. Octal socket plug-ins contain double diffused passivated bulk avalanche junctions in a cold case design for high reliability. Electrical ratings indicate the high temperature resistance, low leakage current and low forward voltage drop. Plug-in silicon rectifiers are available in full wave, half wave, doubler, center tap, open bridge and three phase types. Voltage ratings range from 50 to 5000 volts PIV and currents from 100 mA to 6 amps. Other ratings in plug-in modules can be produced on request.

## **Electrical Ratings**

=100011001110011180		
Maximum Allowable DC Output Current:		
at 25 °C ambient temperature,	6.0 amps	
at 100 °C ambient temperature,	3.0 amps	
at 150 °C ambient temperature,	1.0 amps	
Maximum Allowable One Cycle Surge Current: (60 cps single phase non-recurrent,		
at rated PRV and no load	250 amps	
Maximum Full Load Forward Voltage Drop		
(150 ° C full cycle average)	.6 volt	
Maximum Reverse Current:		
(150 ° C full cycle average)	5 mA	
Storage Temperature and Operating		
Temperature	175 ° C	



## SERIES R SPECIFICATIONS

	_		
			U open bridge, pos.
			N single phase, center tap, neg.
			M 3 phase, center tap
			L 3 phase, bridge
		volts	K 3 phase, half wave neg.
		5000	J 3 phase, half wave pos.
6 amp		to	H single phase half wave
to		50	D doubler
100 mA	R	OF VOLTS)	C single-phase center tap pos.
(TENS OF Ma)	DESIGNATION	(HUNDREDS	B single phase bridge
CURRENT	SERIES	PIV	Code Circuit

First number represents current in tens of milliamps, second is the series designation, third PIV in hundreds of volts, fourth code designation for circuit. 60 R 10 B, for example, signifies 600mA, Series R, 1000 volts PIV, single phase bridge circuit.

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