

HIGH VOLTAGE MULTIPLE SILICON PACKAGES

Edal's multi-unit package offers many optional configurations in one standard modular design. A sharp reduction in space requirements, simplified purchasing, reduced inventory, fewer lead connections and faster assembly by eliminating the need of soldering many diodes to achieve equivalent circuitry are substantial advantages. Each modular package consists of matched, pre-tested, pre-selected, and double diffused bulk avalanche rectifiers offering self-protection against voltage transients. Low unit cost and increased reliability are proven results of Edal multiple circuits. They are now available in full wave, half wave, doubler, center tap, open bridge, three phase types and fast recovery from 500 to 50 ns.

Electrical Ratings

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
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Maximum Full Load Forward Voltage Drop

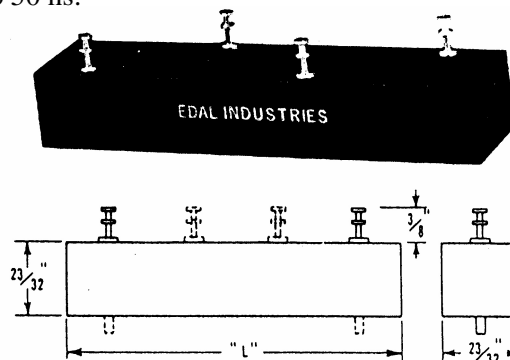
(150 ° C full cycle average per KV per leg)	.6 volt
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Maximum Reverse Current:

(150 ° C full cycle average)	5 mA
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Storage Temperature and

Operating Temperature:	175 ° C
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"L" is equal to 1/8 inch per KV plus 1 1/2" for half wave circuit.

MOUNTING OPTIONS



SERIES N SPECIFICATION

CURRENT (TENS OF Ma)	SERIES DESIGNATION	PIV (HUNDREDS OF VOLTS)	CODE	CIRCUIT	CODE	MOUNTING
20 mA to 6 amp	N	1500 to 30,000 volts	B	single phase bridge	S	stud
			C	single phase center tap, positive	H	holes
			D	doubler	I	threaded Insets
			H	single phase half wave		
			J	3 phase, half wave, positive		
			K	3 phase, half wave, negative		
			L	3 phase, bridge		
			M	3 phase, center tap		
			N	single phase, center tap negative		
			U	open bridge, positive		

25

N

15

B

S

First number represents current in tens of milliamps, second is the series designation, third PIV in hundreds of volts, fourth code designation for the circuit, fifth code for mounting desired. For example part number 25 N 15 B S, signifies 250 mA, Series N, 1500 volts PIV, single-phase bridge circuit, stud mounting.

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