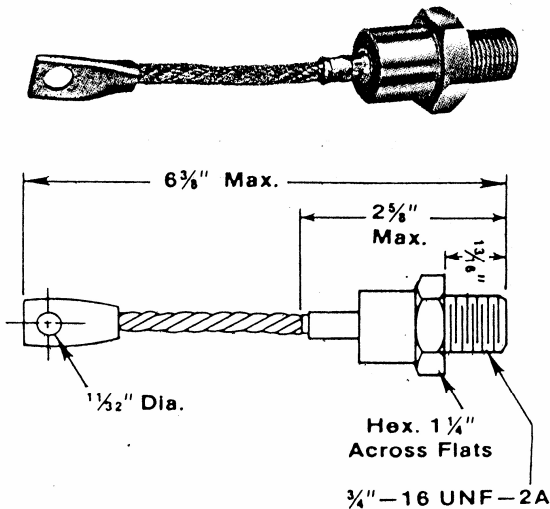


Silicon Power Rectifiers

Edal Series J silicon power rectifiers are ideal for a broad range of commercial and military uses including power supplies, ultrasonic systems, inverters, welders, emergency generators, battery chargers, DC motors and motion controls. These power rectifiers are stud mounted DO9 packages. Because the silicon junction is carefully fitted with a glass-to-metal hermetically sealed case, reliable operations are assured even with extreme humidity and under other severe environmental conditions and they are completely corrosion resistant. Double diffused, passivated junction technique is utilized to assure stable uniform electrical characteristics. Inherent in their design is very low leakage currents and excellent surge handling capability. Series J rectifiers are available in standard, bulk avalanche and fast recovery types as well as in reverse polarity. Voltage ratings from 50 to 1500 volts PIV.



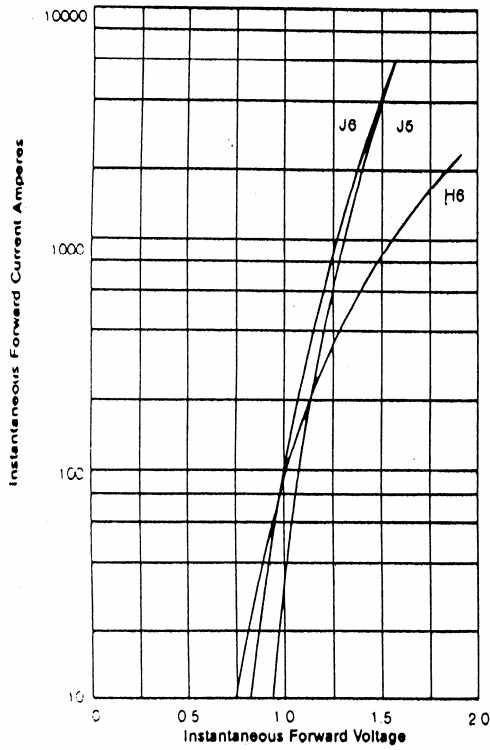
Specifications

PIV VOLTS	250 AMPS	300 AMPS
50	J5A3	J6A3
100	J5B3	J6B3
200	J5C3	J6C3
250	J5D3	J6D3
300	J5E3	J6E3
350	J5F3	J6F3
400	J5G3	J6G3
500	J5H3	J6H3
600	J5K3	J6K3
700	J5M3	J6M3
800	J5N3	J6N3
1000	J5P3	J6P3
1200	J5R3	J6R3
1500	J5S3	J6S3

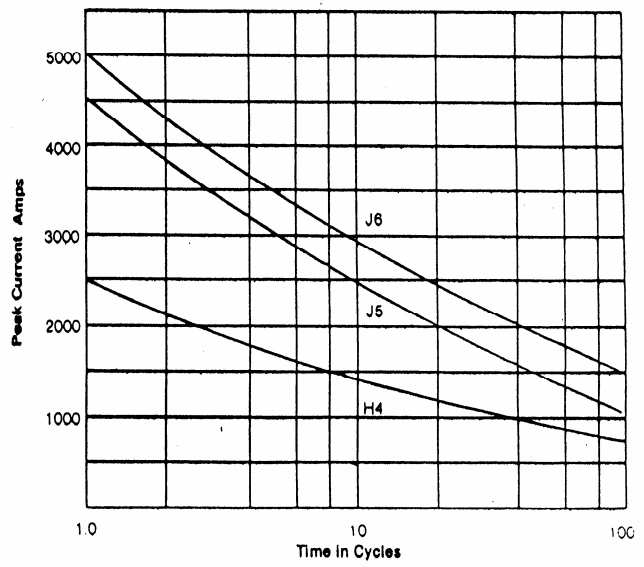
Electrical Ratings

	J5	J6
Maximum forward current single Phase Half Wave		
Case Temperature ° C	122	131
I _o Amps	250	300
Maximum Surge Current		
Single Cycle Amps	4500	5000
Maximum Forward Drop at 25 ° C Case		
I _o Amps	300	300
V _f Volts	1.2	1.1
Maximum Reverse Current FCA @ 150 ° C	10	10
Maximum I ² T (less than 8 ms)		
Amps ² - Sec	84,000	104,000
Reverse Power for Bulk Avalanche (Joules)	2.0	2.0
Storage Temperature ° C	-65 to 200	-65 to 200
Operating Temperature ° C	-65 to 190	-65 to 190
Thermal Impedance Maximum		
(Junction to Case) ° C/Watt Maximum	.22	.17
Jedec Style	DO 9	DO 9

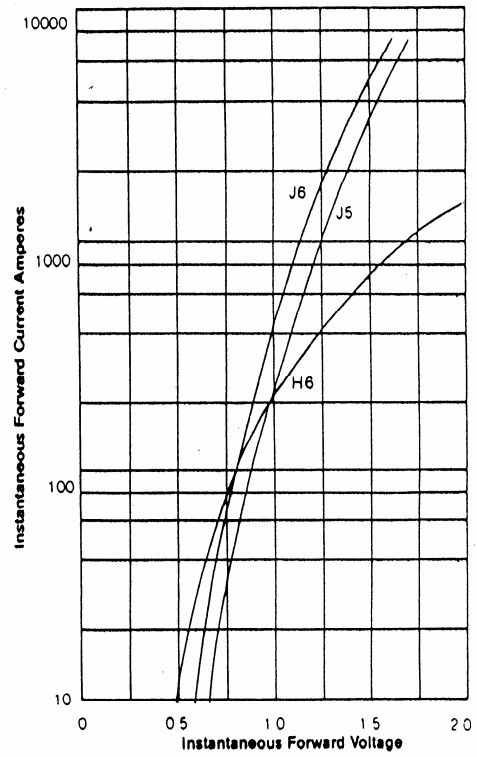
Typical Forward Characteristics At 25°C



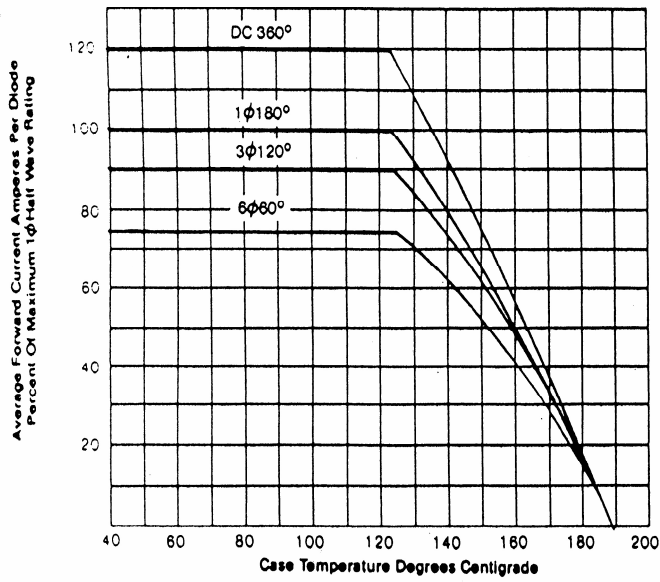
Surge Current At Rated Load



Typical Forward Characteristics At 90°C



Current Rating



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