

Series H6, J5, J6

Edal Series H and 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 motor controls.

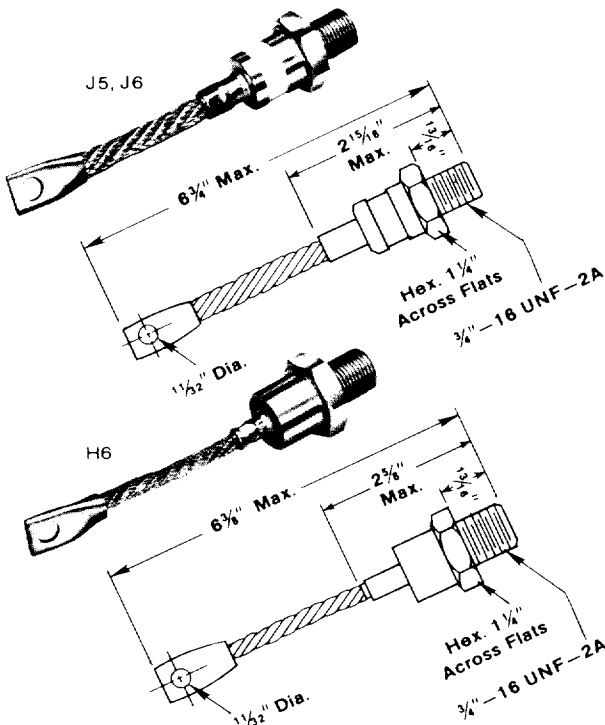
These power rectifiers are stud mounted D09 packages. Because the silicon junction is care-

fully fitted with a glass-to-metal hermetically sealed case, reliable operations is 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

are very low leakage currents and excellent surge handling capability. Series H and Series J rectifiers are available in standard, bulk avalanche and fast recovery types as well as in reverse polarity. Voltage ratings range from 50 to 1500 volts PIV.

Specifications



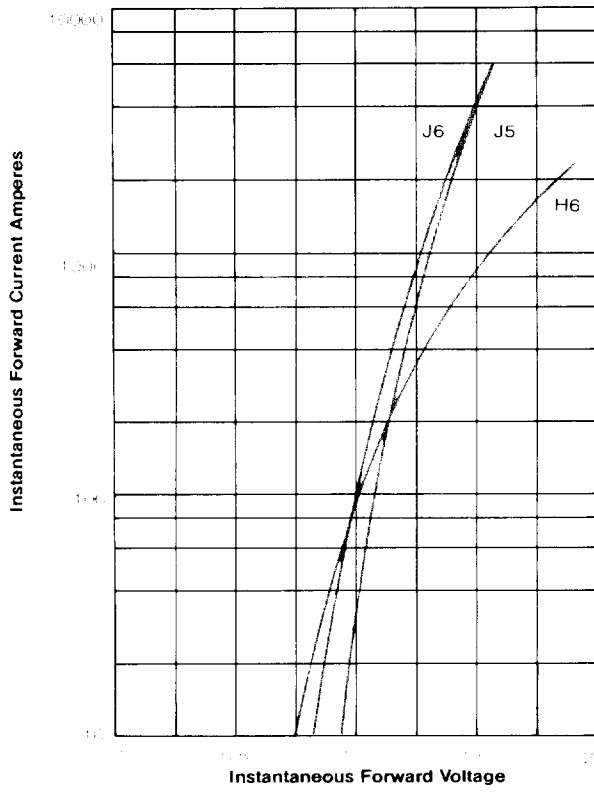
50	H6A3	J5A3	J6A3
100	H6B3	J5B3	J6B3
200	H6C3	J5C3	J6C3
250	H6D3	J5D3	J6D3
300	H6E3	J5E3	J6E3
350	H6F3	J5F3	J6F3
400	H6G3	J5G3	J6G3
500	H6H3	J5H3	J6H3
600	H6K3	J5K3	J6K3
700	H6M3	J5M3	J6M3
800	H6N3	J5N3	J6N3
1,000	H6P3	J5P3	J6P3
1,200	H6R3	J5R3	J6R3
1,500	H6S3	J5S3	J6S3

Electrical Ratings

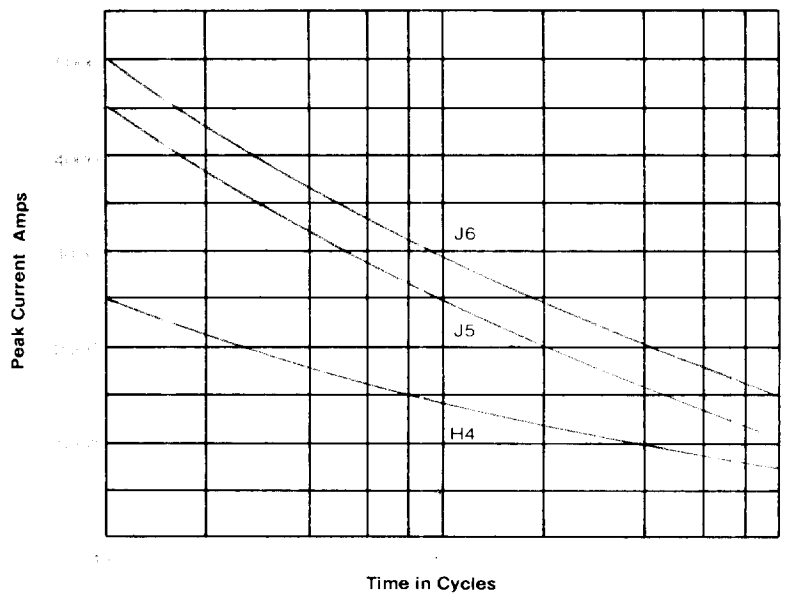
Maximum Forward Current Single Phase Half Wave Case Temperature °C	126	122	131
I _o AMPS	160	250	300
Maximum Surge Current Single Cycle Amps	2,500	4,500	5,000
Maximum Forward Drop at 25°C Case I _o Amps	300	300	300
V _f Volts	1.2	1.2	1.1
Maximum Reserve Current FCA @ 150°C ma	10	10	10
Maximum I ² T (less than 8 ms) Amps ² -Sec	25,800	84,000	104,000
Reverse Power for Bulk Avalanche (Joules)	2.0	2.0	2.0
Storage Temperature °C	-65 to 200	-65 to 200	-65 to 200
Operating Temperature °C	-65 to 190	-65 to 190	-65 to 190
Thermal Impedance Maximum (Junction to Case) °C/Watt Maximum	0.32	0.22	0.17
Jedec Style	D09	D09	D09

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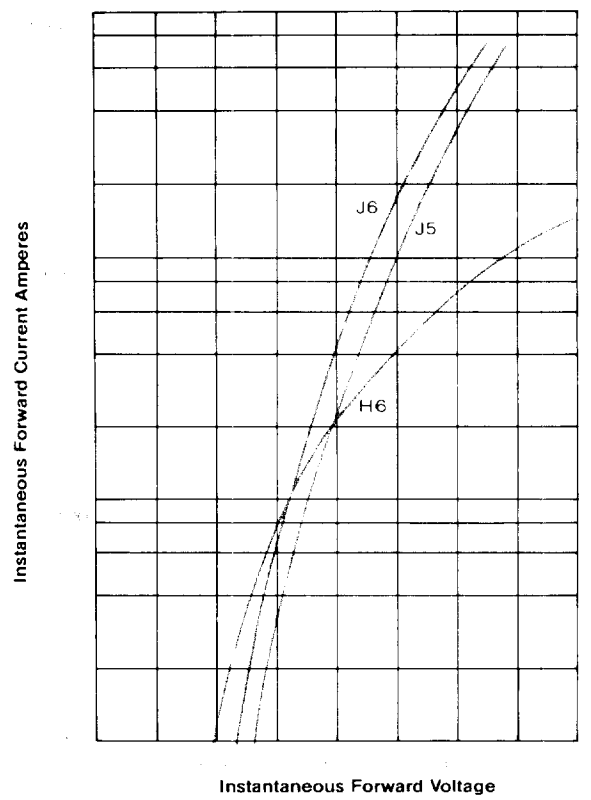
Typical Forward Characteristics At 25°C



Surge Current At Rated Load



Typical Forward Characteristics At 90°C



Current Rating

