



HGF SERIES

2.5 to 5.0kV, 8A, 150nS
Modular "Hi-Bel" Rectifier Assemblies



Features

- High Voltage, High Current Capability
- Large Plated Brass Base-Plate Heat Sink on Cathode Side
- Can Be Easily Cascaded for Higher Voltage System Applications
- Molded Encapsulation, ANSI/UL94 V-0 Rated Material
- Models are Replacements for Unitrode; Custom Parts Available

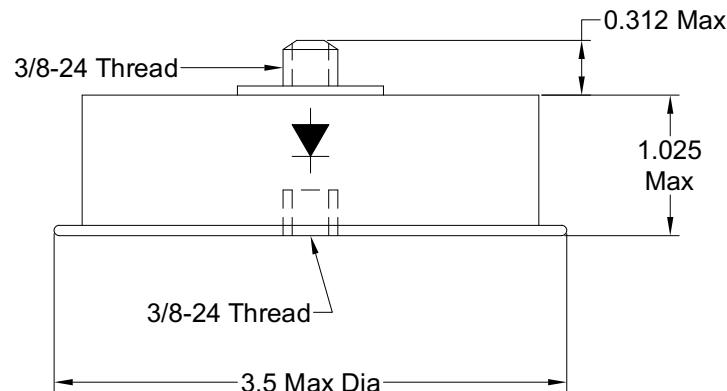
Specifications¹

Part Number	V_{RRM} V	I_{FAVM} A	V_F V	I_R μ A	I_{FSM} A	T_{RR} nS
HGF2.5	2500	8	5.2	10	150	150
HGF5	5000	8	9.0	10	150	150

Temperature °C	
Operating Temperature	-55 to 150
Storage Temperature	-40 to 150
Maximum Junction Temperature	150

¹25°C ambient temperature unless stated otherwise.

Drawings



Dimensions in inches, tolerances ± 0.020 except as noted

Specification Definitions

Specifications		Conditions
V_{RRM}	Maximum Repetitive Reverse Voltage	-
I_{FAVM}	Maximum Average Forward Current	At $T_C = 75^\circ\text{C}$
V_F	Maximum Forward Voltage Drop	At I_{FAVM}
I_R	Maximum Leakage Current	At V_{RRM}
I_{FSM}	Maximum Surge Current	At 8.3 mS, Single Half Sine
T_{RR}	Maximum Reverse Recovery Time	$I_F = 0.50\text{A}$; $I_R = -1.00\text{A}$; $I_{RR} = -0.25\text{A}$

Note: Specifications subject to change without notice. Photo is representation only.

