

Features

- Glass passivated
- Ideal for printed circuit board
- Low forward voltage drop, high current capability

Specifications

Reverse Voltage : 400 Volts
Forward Current : 6 Amperes

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

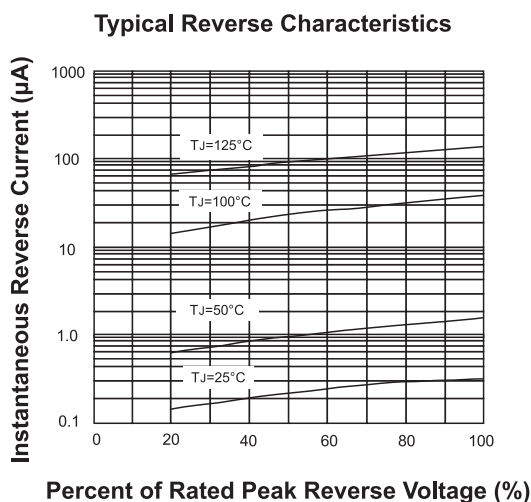
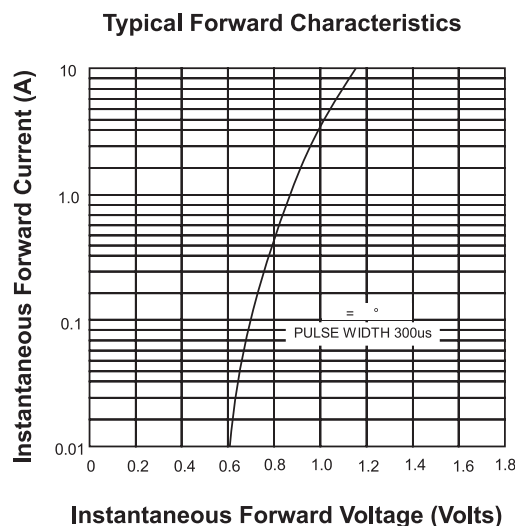
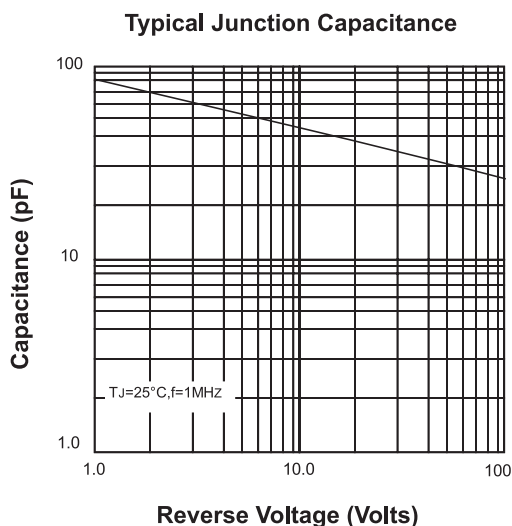
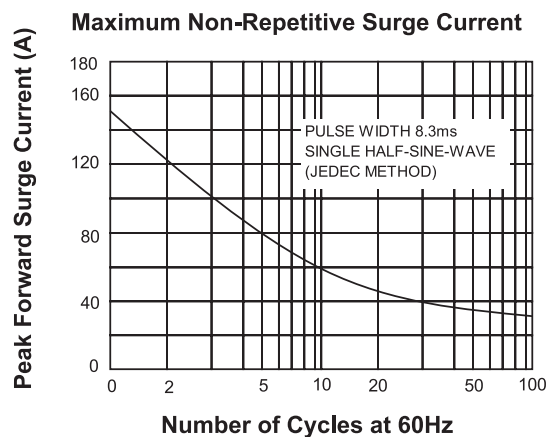
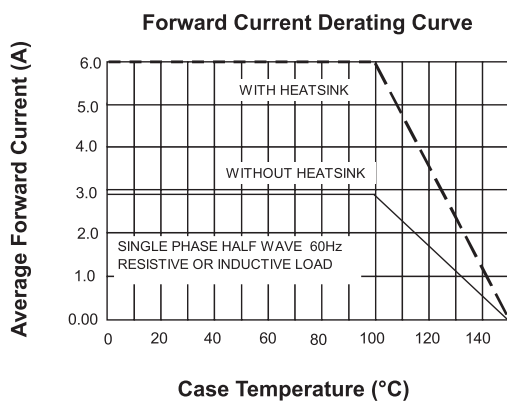
Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

Characteristics	Symbol	Values	Unit
Max. Recurrent Peak Reverse Voltage	V_{RRM}	400	V
Max. RMS Voltage	V_{RMS}	280	
Max. DC Blocking Voltage	V_{DC}	400	
Max. Average Forward (with heatsink Note 2) Rectified Current at $T_C = 100^{\circ}C$ (without heatsink)	$I_{(AV)}$	6 2.8	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I_{FSM}	150	
Max. Forward Voltage at 4 A DC	V_F	1.1	V
Max. DC Reverse Current at $T_J = 25^{\circ}C$ at Rated DC Blocking Voltage at $T_J = 125^{\circ}C$	I_R	10 500	μA
I^2t Rating For Fusing ($t < 8.3ms$)	I^2t	120	A^2s
Typical Junction Capacitance per Element (Note 1)	C_J	55	pF
Typical Thermal Resistance (Note 2)	$R_{\theta JC}$	1.8	$^{\circ}C / W$
Operating Temperature Range	T_J	-55 to +150	$^{\circ}C$
Storage Temperature Range	T_{STG}		

Note: 1. Measured at 1MHz and applied reverse voltage of 4 V DC
2. Device mounted on 75mm × 75mm × 1.6mm Cu plate heatsink

Rating and Characteristic Curves



multicomp PRO

[illegible]

Description	Part Number
Bridge Rectifier, 400V, 6A	VSIB640

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro