

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%

Type Number		GF1650LA	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	v
Maximum RMS Voltage	Vrms	35	v
Maximum DC BI°Cking Voltage	Vdc	50	V
Maximum Average Forward Rectified Current See Fig. 1	l(AV)	16.0	Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	IFSM	275	А
Peak Repetitive Reverse Surge Current (Note 1)	IRRM	1.0	A
Maximum Instantaneous Forward Voltage at (Note 2) IF=16A, Tc=25 $^\circ\!\!\!\!\!^{\rm C}$	VF	0.65	v
Maximum Instantaneous Reverse Current @ Tj =25℃at Rated DC Blocking Voltage (Note 2) @ Tj =125℃	lr	0.5 50	mA mA
Typical Junction Capacitance (Note 3)	Cj	450	pF
Maximum Thermal Resistance, Junction to Case	Rejc	1.5	ଂC/ W
Operating Junction Temperature Range In DC forward mode	TJ	-55 to +150 -55 to +200	Ĉ
Storage Temperature Range	Tstg	-55 to +150	Ĉ

NOTES: 1. 2.0us Pulse Width, f=1.0 KHz

2. Pulse Test: 300us Pulse Width, 1% Duty Cycle 3. Mounted on Heatsink Size of 2 in x 3 in x 0.25in Al-Plate.

RATING AND CHARACTERISTIC CURVES GF1650LA

