



ISO9001质量管理体系 注册编号: 00312Q20185R0M  
ISO14001环境管理体系 注册编号: 00312E10075R0M

## 产品规格

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

#### Limiting Values (Absolute Maximum Rating)

ITEM	SYMBOLS	CONDITIONS	GF1040MC	GF1640MC	GF2040MC	UINTS
Maximum repetitive peak reverse voltage	$V_{RRM}$		40	40	40	Volts
Average Rectified Output Current	$I_O$	60Hz sine wave, R-load, $T_a=25^\circ\text{C}$	10	16	20	A
Surge (Non-repetitive) Forward Current	$I_{FSM}$	60Hz sine wave, 1 cycle, $T_a=25^\circ\text{C}$	100	275	275	A
Storage Temperature	$T_{stg}$		-55 to +150	-55 to +150	-55 to +150	$^\circ\text{C}$
Junction Temperature	$T_j$	In DC Forward Mode-Forward Operations, without reverse bias, $t \leq 1\text{h}$ (NOTE 1)	-55 to +200	-55 to +200	-55 to +200	$^\circ\text{C}$

#### Electrical Characteristics ( $T_a=25^\circ\text{C}$ Unless otherwise specified)

ITEM	SYMBOLS	CONDITIONS	Max	UINTS
Peak Forward Voltage	$V_{FM}$	$I_{FM}=8.0\text{A}$	0.5	Volts
Peak Reverse Current	$I_{RRM1}$	$V_{RM}=V_{RRM}$	$T_a=25^\circ\text{C}$	mA
	$I_{RRM2}$		$T_a=100^\circ\text{C}$	
Thermal Resistance (Typical)	$R_{\theta J-C}$	Between junction and case	2.0	$^\circ\text{C/W}$

Note: 1 Meets the requirements of IEC 61215 Ed. 2 bypass diode thermal test.