



- High frequency operation
- Low forward voltage drop
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced ruggedness and long term reliability

Photovoltaic solar cell protection schottky rectifier

- GF025
- Molding compound meets UL 94 V-0 flammability rating,
- Tin plated leads, solderable per J-STD-002 and JESD 22-B102
- As marked

■ (Ta=25℃ Unless otherwise specified)

Device marking code			GF025
Repetitive Peak Reverse Voltage	VRRM	V	45
Average Rectified Output Current @60Hz sine wave, R-load, Ta=25	IO	A	60
Surge(Non-repetitive)Forward Current @60Hz sine wave, 1 cycle, Tj=25	IFSM	A	700
Current Squared Time @1ms≤t<8.3ms Tj=25 , Rating of per diode	I ² t	A ² S	2030

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(1) Meets the requirements of IEC 61215 Ed. 2 bypass diode thermal test.

■ (Ta=25℃ Unless otherwise specified)

Maximum instantaneous forward voltage drop per diode	VF	V	IFM=60A	0.51
Maximum DC reverse current at rated DC blocking voltage per diode	IRRM1	mA	VRM=VRRM Ta=25	0.12
	IRRM2	mA	VRM=VRRM Ta=100	18
	IRRM3	mA	VRM=VRRM Ta=125	70



■ (T_a=25℃ Unless otherwise specified)

Thermal Resistance R _{θJA}	R _{θJA} -C	/W	1.5

(1) Thermal resistance from Between junction and case, On glass-epoxy substrate.

■ (Example)

GF6045C	Approximate 4.0	30	600	2400	Tube

■ (Typical)



