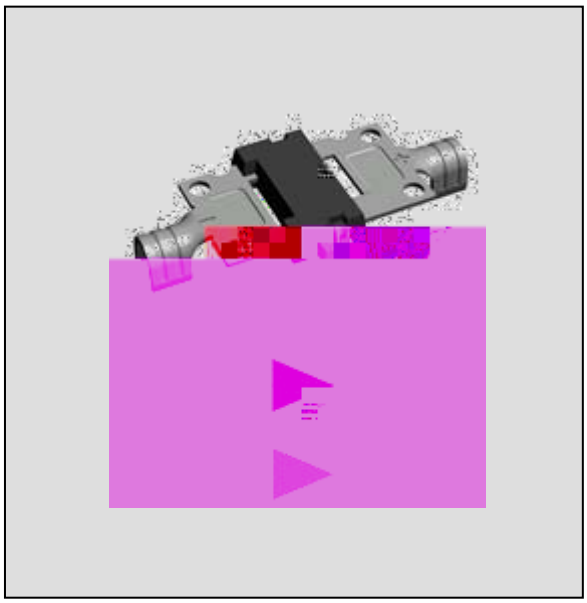

- High frequency operation
- Low forward voltage drop
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced ruggedness and long term reliability

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			GFMK6045C
Repetitive Peak Reverse Voltage	V_{RRM}	V	45
Average Rectified Output Current @60Hz sine wave, R-load, Ta=25	I_O	A	60
Surge(Non-repetitive)Forward Current @60Hz sine wave, 1 cycle, Tj=25	I_{FSM}	A	700
Current Squared Time @1ms≤t<8.3ms Tj=25 , Rating of per diode	I^2t	A^2S	2030 ˆ 1˜

(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	V_F	V	I_{FM}=60A	0.51
Maximum DC reverse current at rated DC blocking voltage per diode	I_{RRM1}	mA	$V_{RM}=V_{RRM}$ Ta=25	0.12
	I_{RRM2}	mA	$V_{RM}=V_{RRM}$ Ta=100	18
	I_{RRM3}	mA	$V_{RM}=V_{RRM}$ Ta=125	70

■ (Ta=25℃ Unless otherwise specified)

Thermal Resistance（1）	RθJ-C	/W	1.5

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

■ (Example)

GFMK6045C	Approximate 4.0	30	600	2400	Tube

■ (Typical)