



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

($T_a=25$ Unless otherwise specified)

Device marking code			GFMK6045C
Repetitive Peak Reverse Voltage	VRRM	V	45
Average Rectified Output Current @60Hz sine wave, R-load, $T_a=25$	I _O	A	60
Surge(Non-repetitive)Forward Current @60Hz sine wave, 1 cycle, $T_j=25$	I _{FSM}	A	700
Current Squared Time @1ms $t < 8.3ms$ $T_j=25$, Rating of per diode	I ² t	A ² S 1	T_j 2030

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

($T_a=25$ 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} $T_a=25$	0.12
	I _{RRM2}	mA	V _{RM} =V _{RRM} $T_a=100$	18
	I _{RRM3}	mA	V _{RM} =V _{RRM} $T_a=125$	70



($T_a=25$ Unless otherwise specified)

Thermal Resistance 1	R J-C	/W	1.5
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(1) Thermal resistance from Between junction and case, On glass-epoxi substrate.

(Example)

GFMK6045C	Approximate 4.0	30	600	2400	Tube
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(Typical)





