



GFMK4045C

Schottky Bypass Diode Module

Features

- 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

Typical Applications

Photovoltaic solar cell protection schottky rectifier

Mechanical Data

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

■Maximum Ratings (T_a=25 Unless otherwise specified)

	SYMBOL	UNIT	GFMK4045C
Device marking code			GFMK4045C
Repetitive Peak Reverse Voltage	VRRM	V	45
Average Rectified Output Current @60Hz sine wave, R-load, T _a =25	I _O	A	40
Surge(Non-repetitive)Forward Current @60Hz sine wave, 1 cycle, T _j =25	IFSM	A	650
Current Squared Time @1ms≤t<8.3ms T _j =25 , Rating of per diode		I ²	

=25



GFMK4045C

■ Thermal Characteristics ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	GFMK4045C
Thermal Resistance 1	$R_{\theta J-C}$	/W	1.5

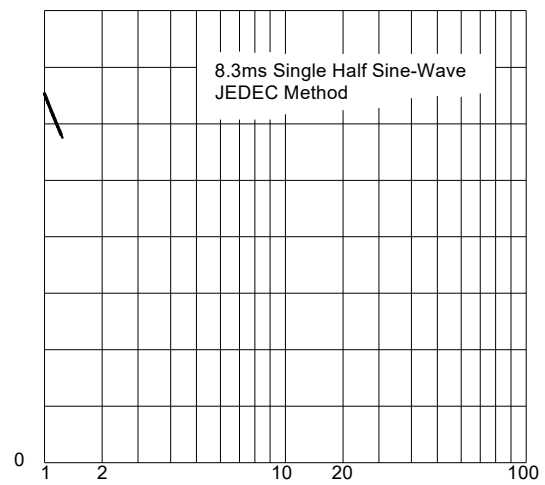
Note

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

■ Ordering Information (Example)

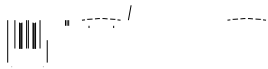
PREFERRED P/N	UNIT WEIGHT(g)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
GFMK4045C	Approximate 4.0	30	600	2400	Tube

■ Characteristics (Typical)





■ **Outline Dimensions** (in millimeters)





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