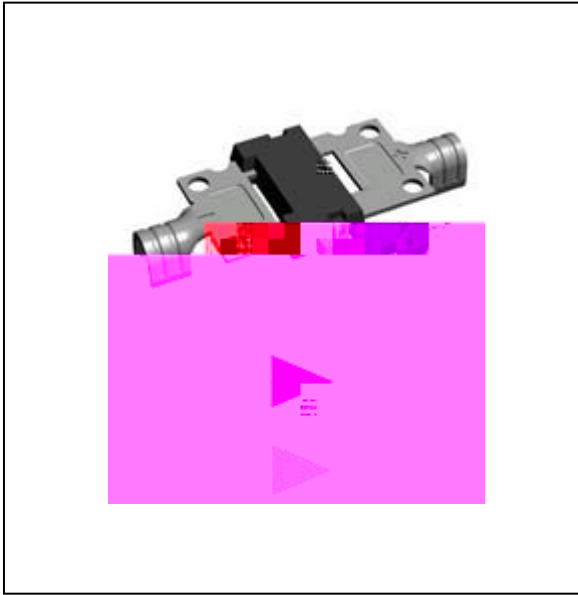




Schottky Bypass Diode Module



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
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

VRRM

Average Rectified Output Current @ 60Hz sine wave , R-load , Ta = 25	IO	A	40
Surge(Non-repetitive)Forward Current @60Hz sine wave, 1 cycle, Tj=25	IFSM	A	650
Current Squared Time @1ms≤t<8.3ms Tj=25 , Rating of per diode	I ² t	A ² S	1750
Storage Temperature	Tstg		-55 ~+150
Junction Temperature IN DC Forward Mode-Forward Operations without reverse bias, t≤1 h (Fig. 1) 1	Tj		-55 ~+200

Note
(1)

Maximum instantaneous forward voltage drop per diode Ta=100	13	V	VF	VF

	IRRM3	mA	VRM=VRRM Ta=125	60



GFMK4045C

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

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

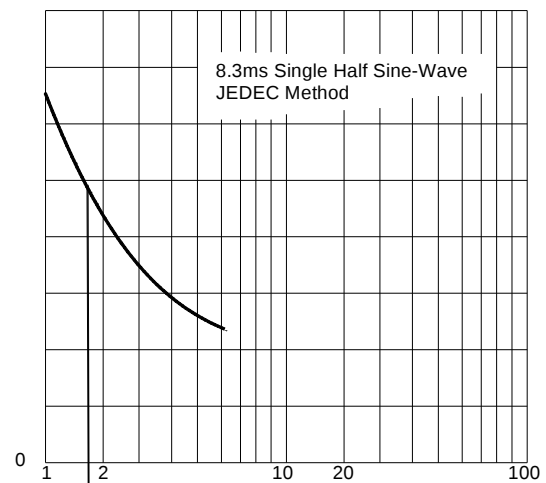
Note

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

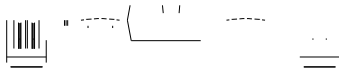
■ Ordering Information (Example)

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

■ Characteristics (Typical)



V2XWOLQH 'LPHQVERQOLPHWHUV





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