



GFMK3045P

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

/ Ú

PARAMETER	SYMBOL
-----------	--------

PARAMETER	SYMBOL	UNIT	VALUE
Surge(Non-repetitive)Forward Current @60Hz sine wave, 1 cycle, $T_j=25$	I_{FSM}	A	350
Current Squared Time @1ms $t < 8.3ms$ $T_j=25$, Rating of per diode	I^2t	A ² S	505
Storage Temperature	T_{stg}		-55 ~+150
Junction Temperature IN DC Forward Mode-Forward Operations without reverse bias, t 1 h (Fig. 1) 1	T_j		-55 ~+200

Note

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

Electrical Characteristics ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	GFMK3045P
Maximum instantaneous forward voltage drop per diode	V_F	V	$I_{FM}=30A$	0.55
Maximum DC reverse current at rated DC blocking voltage per diode	I_{RRM}	μA	$V_{RM}=V_{RRM}$	

PARAMETER	SYMBOL	UNIT	VALUE
The thermal resistance between junction and case, θ_{JC}		$^{\circ}C/W$	1.5

Note

(1) The thermal resistance between junction and case, θ_{JC} is 1.5 $^{\circ}C/W$



GFMK3045P

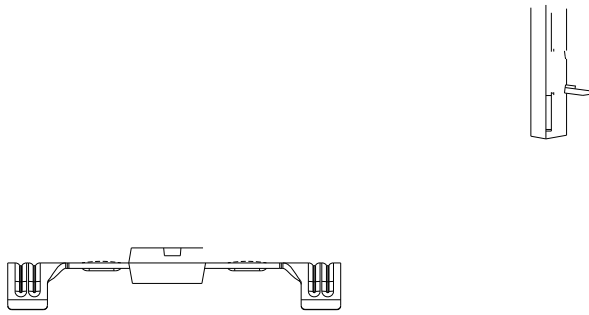
Ordering Information (Example)

PREFERRED P/N	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
GFMK3045P	Approximate 4.0	30	600	2400	Tube



GFMK3045P

Outline Dimensions (in millimeters)





GFMK3045P

Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website [http:// www.21yangjie.com](http://www.21yangjie.com) , or consult your nearest Yangjie's sales office for further assistance.