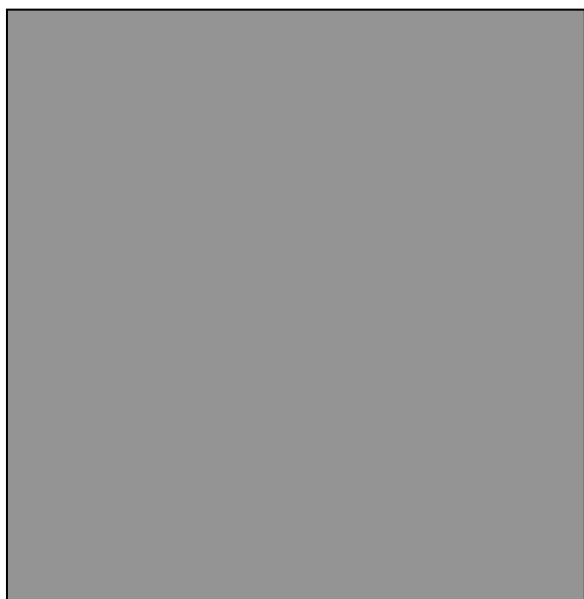




Schottky Bypass Diode Module



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

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PARAMETER	SYMBOL	UN	% IO A	30
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Surge(Non-repetitive) Forward Current @ 60Hz sine wave , 1 cycle F=25	IFSM	A	350
Current Squared Time @1ms≤t<8.3ms Tj=25 , Rating of per diode	I ² t	A ² S	505
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) Meets the requirements of IEC 61215 Ed. 2 bypass diode thermal test.

■Electrical Characteristics (Ta=25℃ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	GFMK3045P
Maximum instantaneous forward voltage drop per diode	VF	V	IFM=30A	0.55
Maximum DC reverse current at rated DC blocking voltage per diode	IRRM	μA	VRM=VRRM	

The thermal resistance of the module	1.5	W/℃		
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Note

(1) The thermal resistance is between junction and case, on glass substrate



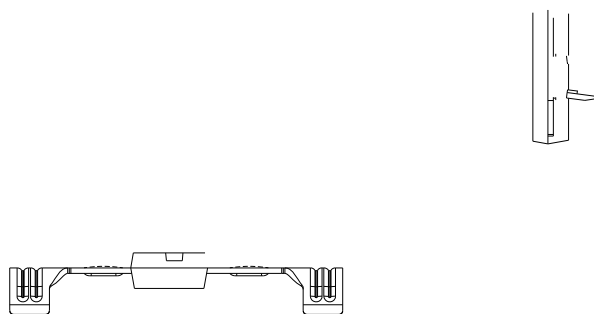
GFMK3045P

■Ordering Information (Example)

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



■Outline Dimensions (in millimeters)





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