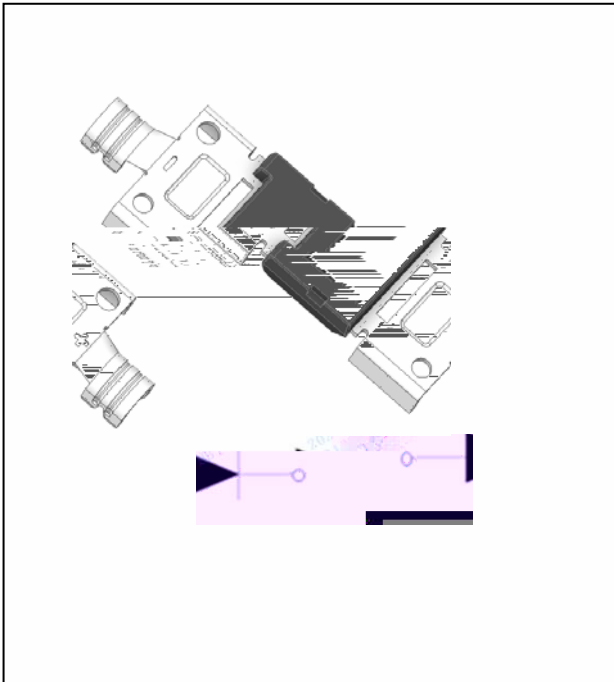




MK3045

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 /
- long term reliability/

Typical Applications/

Photovoltaic solar cell protection schottky rectifier/

Mechanical Data/

- **Package/** : GF030S
- Molding compound meets UL 94 V-0 flammability rating/ UL 94 V-0
- **Terminals/** : Tin plated leads, solderable per J-STD-002 and JESD 22-B102/ J-STD-002 JESD 22-B102
- **Polarity/** : As marked/

■Maximum Ratings (T_a=25 Unless otherwise specified / ()

PARAMETER	SYMBOL	UNIT	MK3045
Device marking code			MK3045
Repetitive Peak Reverse Voltage	VRRM	V	45
Average Rectified Output Current @60Hz half sine-wave, R-load, T _a =25	I _o	A	30
Surge(Non-repetitive)Forward Current@60Hz half sine-wave, 1 cycle, T _a =25	I _{FSM}	A 1	

T_j

-55 ~+200 SYMBOL

		UNIT	TEST CONDITIONS	MK3045
	IRR2		VRM=VRRM Ta=100	7.0
	IRR3		VRM=VRRM Ta=125	20



MK3045

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

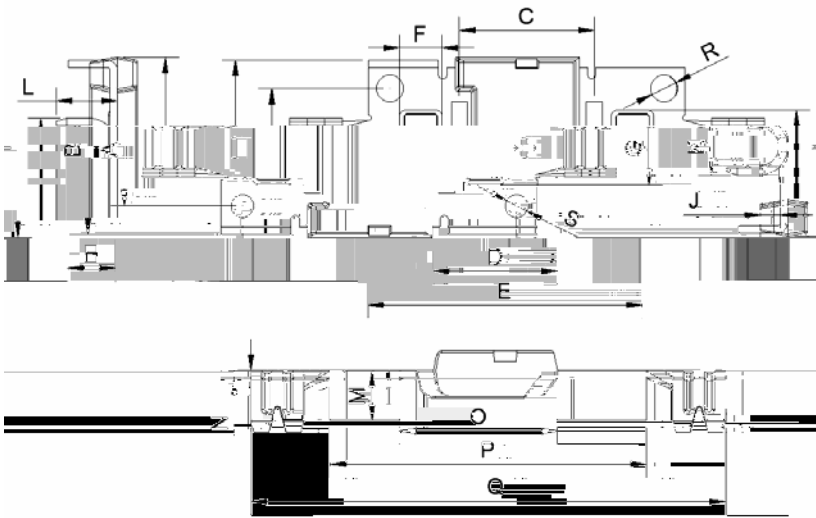
PARAMETER	SYMBOL	UNIT	MK3045
Thermal Resistance 1	$R_{\theta J-C}$	/W	1.0

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

(1) (1) P_n



■Outline Dimensions /



DIM	MM		NOTE
	MIN	MAX	
A	10.5	11.5	
B	15.9	16.9	
C	11.6	12.6	
D	11.23	12.23	
E	25.5	26.5	
F	3.5	4.5	
G	6.5	7.5	
H	4.3	4.7	
I	16.5	17.5	
J	1.7	2.1	
K	5.1	5.7	
L	5.65	5.95	
M	4.4	5	
N	0.6	0.8	
O	14.73	15.13	
P	29.5	30.5	
Q	44.5	45.5	
R	2.35	2.65	
S	2	2.3	

