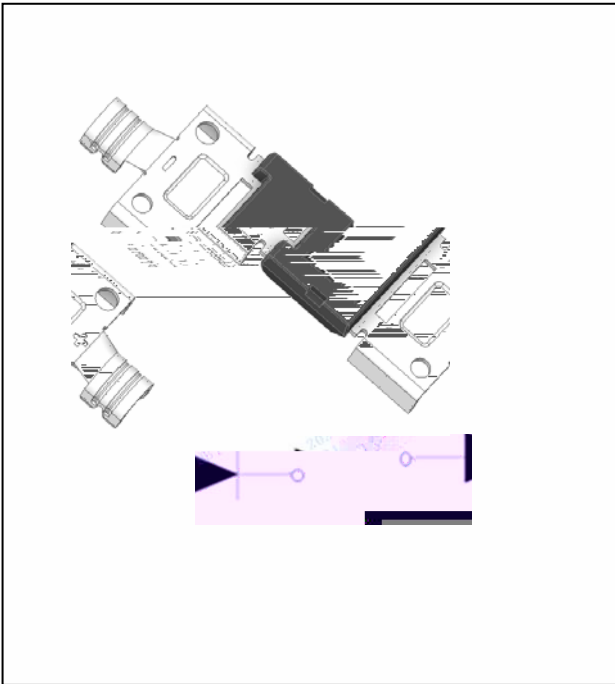




# MK3045

## 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 (Ta=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, Ta=25	Io	A	30
Surge(Non-repetitive)Forward Current@60Hz half sine-wave, 1 cycle, Ta=25	IFSM	A 1	

Tj

-55 ~+200 SYMBOL

	UNIT	TEST CONDITIONS	MK3045
diode			
IRRM2		VRM=VRRM Ta=100	7.0
IRRM3		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 J-C	/W	1.0

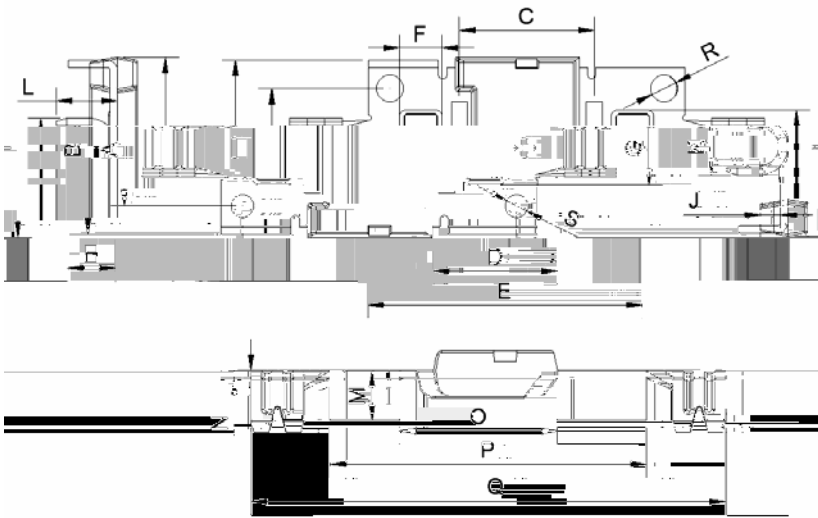
**Note** (1) Thermal resistance from Between junction and case, On glass-epoxi substrate.

(1) (1) Pn



# MK3045

## 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	

