



High frequency operation /  
Low forward voltage drop/  
High purity, high temperature epoxy encapsulation for  
enhanced mechanical strength and moisture resistance  
/  
long term reliability/

Photovoltaic solar cell protection schottky rectifier/

GF030S

Molding compound meets UL 94 V-0 flammability  
rating / UL 94 V-0

Tin plated leads, solderable per

J-STD-002 and JESD 22-B102/

J-STD-002 JESD 22-B102

As marked/

( $T_a=25$  Unless otherwise specified / ( ) )

Device marking code			MK4045
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	V	45
Average Rectified Output Current @60Hz half sine-wave, R-load, $T_a=25$	I <sub>o</sub>	A	40



$T_a=25$  Unless otherwise specified / (  $T_a=25$  )

Thermal Resistance 1	R J-C	/W	1.0

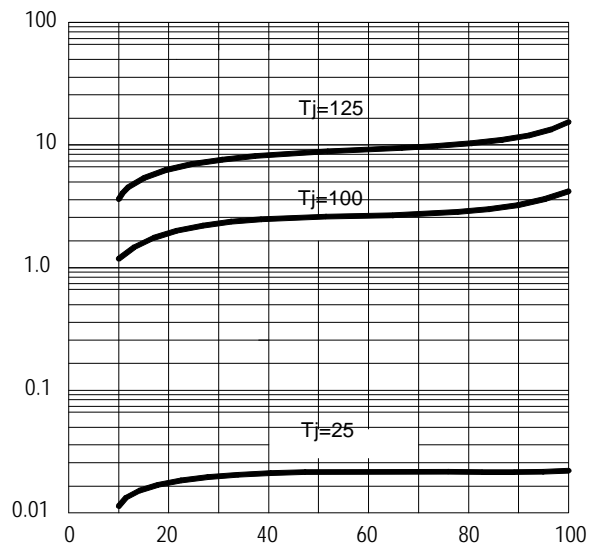
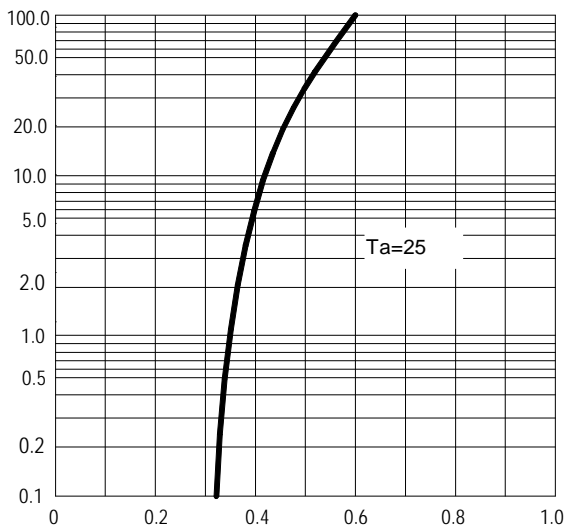
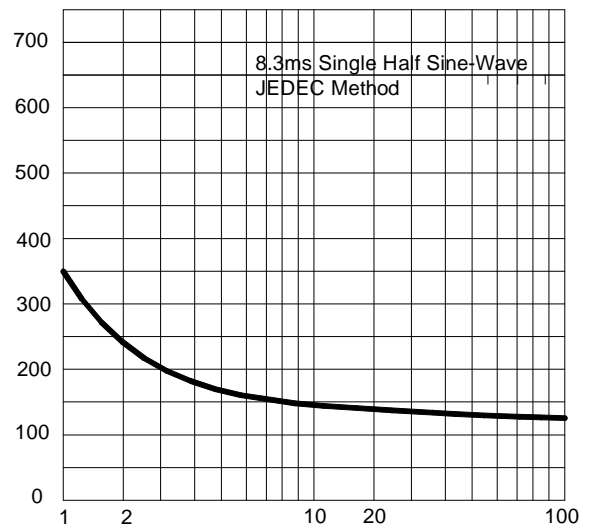
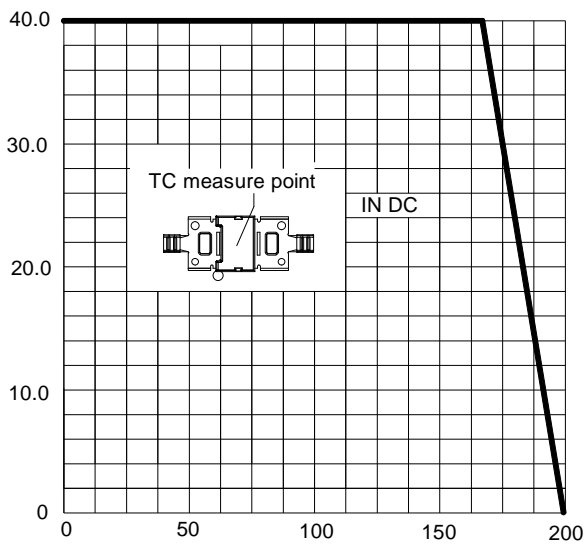
(1) Thermal resistance from Between junction and case, On glass-epoxi substrate.

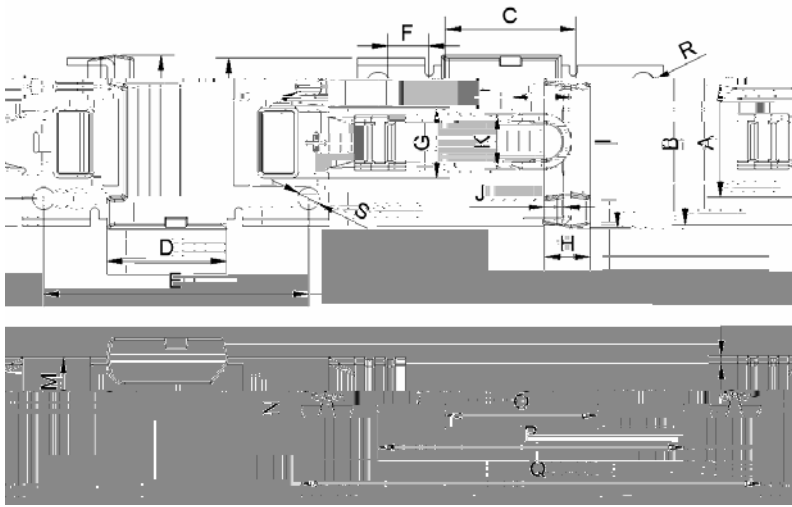
(1) (1) Pn

(Example) / ( )

MK4045	Approximate 5.5 5.5 /	30	1500	Tube

(Typical) / ( )





DIM	MM		NOTE
	MIN	MAX	
A	10.5	11.5	
B	15.9	16.9	
C	12.6	13	
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	5.8	
L	5.6	6	
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	



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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.

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