

per

)

		UNIT	MK5045
Device marking code			MK5045
Repetitive Peak Reverse Voltage	VRRM	V	45
Average Rectified Output Current @60Hz half sine-wave, R-load, T <sub>a</sub> =25	I <sub>o</sub>	A	50
Surge(Non-repetitive)Forward Current@60Hz half sine-wave, 1 cycle, T <sub>a</sub> =25	I <sub>FSM</sub>	A	700
Current Squared Time @1ms t<8.3ms T <sub>j</sub> =25	I <sup>2</sup> t	A <sup>2</sup> s	2030
Storage Temperature	T <sub>stg</sub>		-55 ~+150

Junction Temperature/

IN DC Forw

Curren- á rd



# MK5045

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

PARAMETER	SYMBOL	UNIT	MK5045
Thermal Resistance 1	R J-C	$^{\circ}\text{C}/\text{W}$	1.0

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

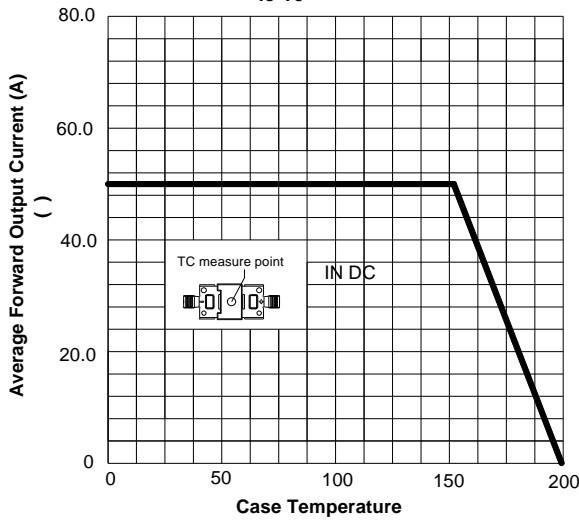
(1) (1) Pn

**Ordering Information** (Example) / ( )

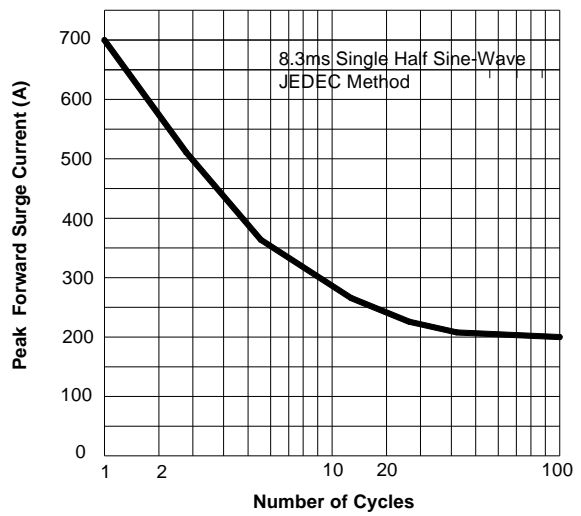
PREFERED P/N	UNIT WEIGHT(g) ( )	MINIIMUM PACKAGE(pcs) ( )	OUTER CARTON QUANTITY(pcs) ( )	DELIVERY MODE
MK5045	Approximate 5.5 5.5 /	30	1500	Tube

**Characteristics** (Typical) / ( )

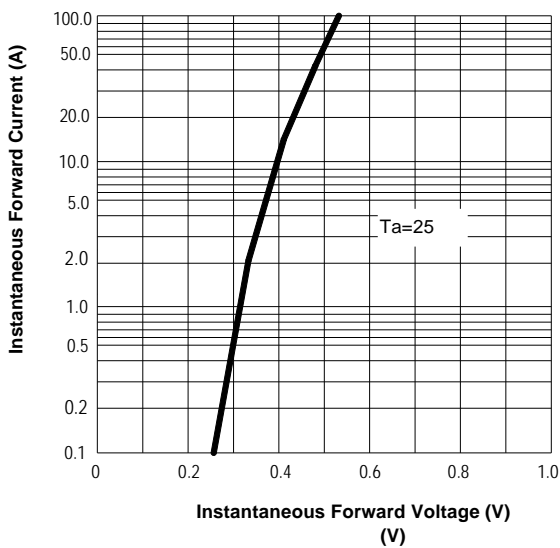
**FIG1:Io -Tc Curve**  
Io-Tc



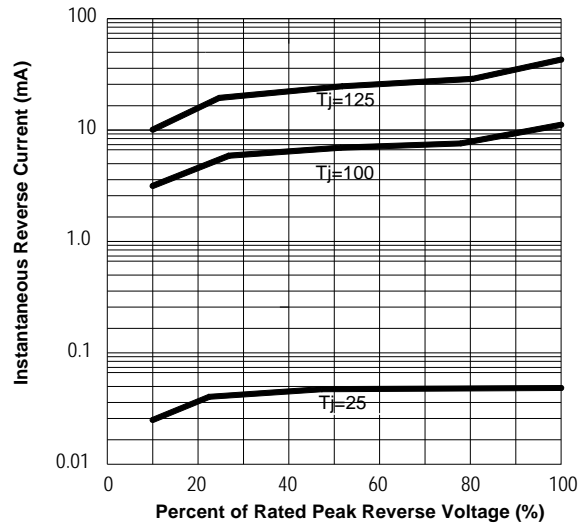
**FIG2:Surge Forward Current Capability**



**FIG3: Forward Voltage**



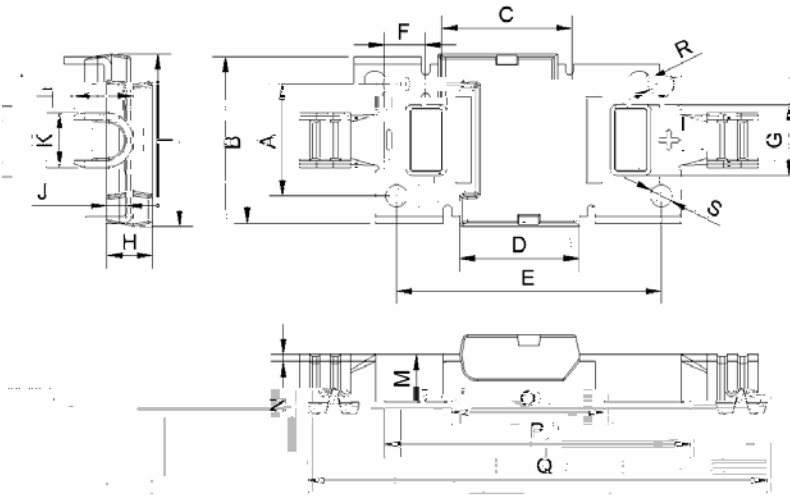
**FIG4: Typical Reverse Characteristics**





# MK5045

## Outline Dimensions /



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	



**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.

( )