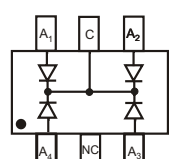


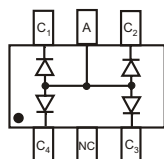
**Electrical Characteristics @ 25°C Unless Otherwise Specified**

Minimum Breakdown Voltage	$V_{BR}$	80V	$I_R=100\mu A$
Maximum Forward Voltage	$V_F$	0.720V 0.855V 1.000V 1.250V	$I_F=5.0mA$ $I_F=10.0mA$ $I_F=50.0mA$ $I_F=150.0mA$
Minimum Forward Voltage	$V_F$	0.620V	$I_F=5.0mA$
Maximum Peak Reverse voltage	$I_R$	50 $\mu A$ 30 $\mu A$ 25 $\mu A$ 100nA	$V_R=75V, T_j=150^\circ C$ $V_R=25V, T_j=150^\circ C$ $V_R=20V$ $V_R=70V$
Maximum Total Capacitance	$C_T$	3.5pF	$V_R=6.0V, f=1.0MHz$
Maximum Reverse Recovery Time	$t_{rr}$	4.0ns	$I_F=5mA, V_R=6V$

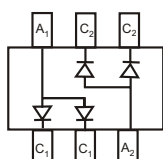
**Internal Structure**



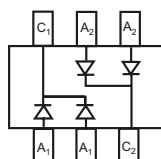
Marking: KA4  
MMBD4448HCQW



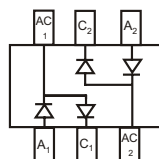
Marking: KA5  
MMBD4448HAQW



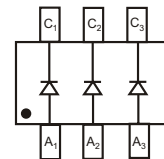
Marking: KA6  
MMBD4448HADW



Marking: KA7  
MMBD4448HCDW



Marking: KAB  
MMBD4448HSDW



Marking: KAA  
MMBD4448HTW

## Curve Characteristics

Fig. 1 - Typical Instantaneous Forward Characteristics

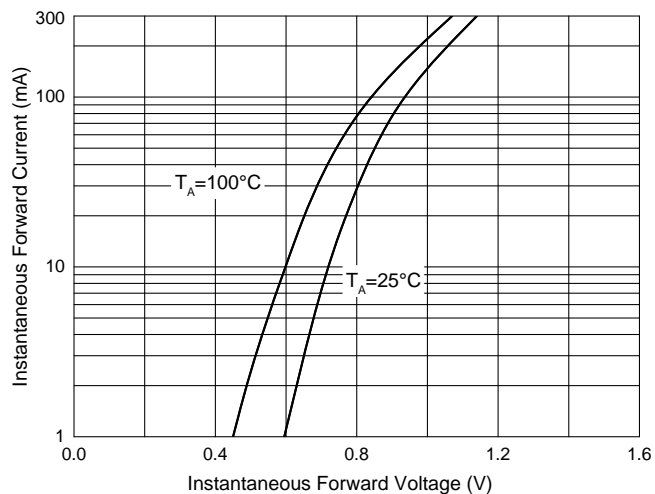


Fig. 2 - Typical Reverse Leakage Characteristics

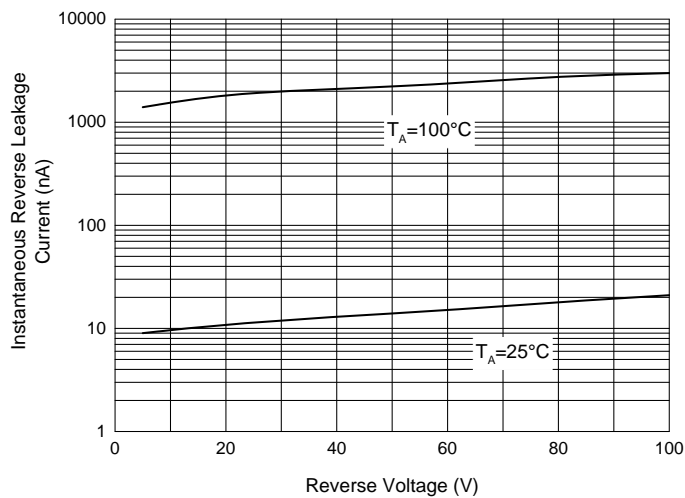
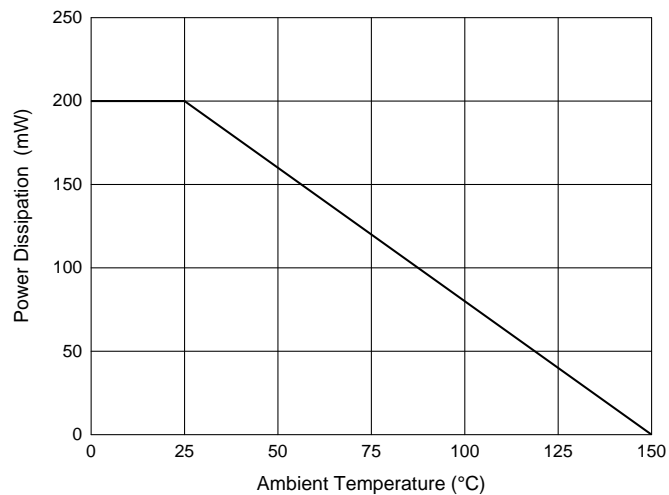


Fig. 3 - Power Derating Curve



## Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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