



#### **ABSOLUTE RATINGS**

Parameter	Symbol	Value	Units
Maximum Peak Reverse Voltage	V <sub>RRM</sub>	45	V
Reverse DC Voltage	V <sub>R</sub>	30	V
Maximum Forward Current	I <sub>F(AV)</sub>	0.1	А
Maximum Forward Peak Current at t=8.3ms	I <sub>FSM</sub>	1	A
Power Dissipation (Note 1)	P <sub>TOT</sub>	0.2	W
Junction Temperature	TJ	-55 to + 125	°C
Storage Temperature	T <sub>STG</sub>	-55 to + 125	°C

#### THERMAL CHARACTERISTICS

Parameter	Symbol	Value	Units
Thermal Resistance, Junction to Ambient (Note 1)	$R_{_{\theta JA}}$	700	°C/W

NOTE :

1. Mounted on an FR-4 PCB, single-sided copper, with 76.2x114.3 mm copper pad area.





### ELECTRICAL CHARACTERISTICS ( $T_{\rm J}\text{=}25^{\circ}\text{C}$ unless otherwise noted )

Parameter	Symbol	Test Condition	MIN.	TYP.	MAX.	Units
Reverse Leakage Current	I <sub>R</sub>	V <sub>R</sub> =10V	-	-	1	μA
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =10mA	-	-	0.45	V
Total Capacitance	C <sub>T</sub>	$V_{R}$ =10V,F=1MH <sub>z</sub>	-	6	-	рF

### ELECTRICAL CHARACTERISTICS CURVE





### MOUNTING PAD LAYOUT



### ORDER INFORMATION

Packing information

T/R - 12K per 13" plastic Reel

T/R - 5K per 7" plastic Reel





13"

26mm

52mm

PANASERT T/B CATHODE UP

(PBCU) PANASERT T/B CATHODE DOWN

(PBCD)

2

Χ

Y

U

D

В

т

S

L

F

(B/P) Tube Packing

(T/P) Tape and Reel (Right Oriented)

(TRR) Tape and Reel (Left Oriented)

(TRL)

FORMING





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