

Features

- Halogen Free. "Green" Device (Note 1)
- High Reliability
- Low Reverse Current And Low Forward Voltage
- Small Surface Mount Type
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1

30 mA Schottky Barrier Diode 40 Volts

Maximum Ratings

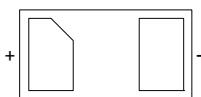
- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +125°C
- Thermal Resistance : 1000°C/W Junction to Ambient

Parameter	Symbol	Rating	Units
Repetitive Peak Reverse Voltage	V_R	40	Vdc
RMS Reverse Voltage	$V_{R(\text{RMS})}$	28	Vdc
Mean Rectifying Current	I_O	30	mAdc
Non-Repetitive Peak forward Surge Current@ $t=8.3\text{ms}$, half sine wave	I_{FSM}	200	mAdc
Power Dissipation	P_d	100	mW

Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min	Typ	Max	Units
Reverse Breakdown Voltage ($I_R=1\text{mA}$)	$V_{(\text{BR})}$	40	---	---	Vdc
Forward Voltage ($I_F=1\text{mA}$)	V_F	---	---	0.37	Vdc
Reverse Current ($V_R=30\text{Vdc}$)	I_R	---	---	0.5	μA dc
Capacitance between Terminals ($V_R=1\text{V}$, $f=1\text{MHz}$)	C_T	---	2	---	pF

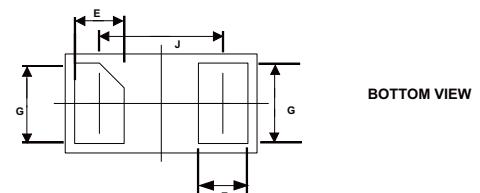
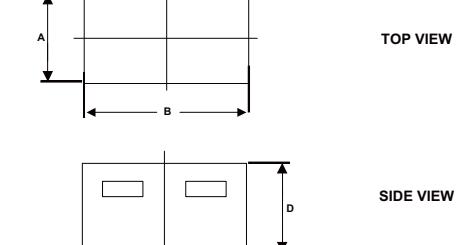
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.



BOTTOM VIEW

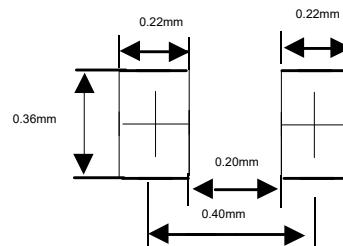


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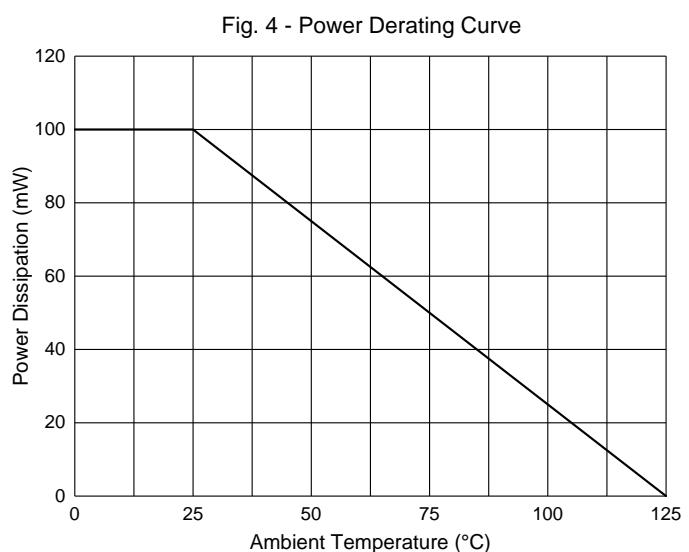
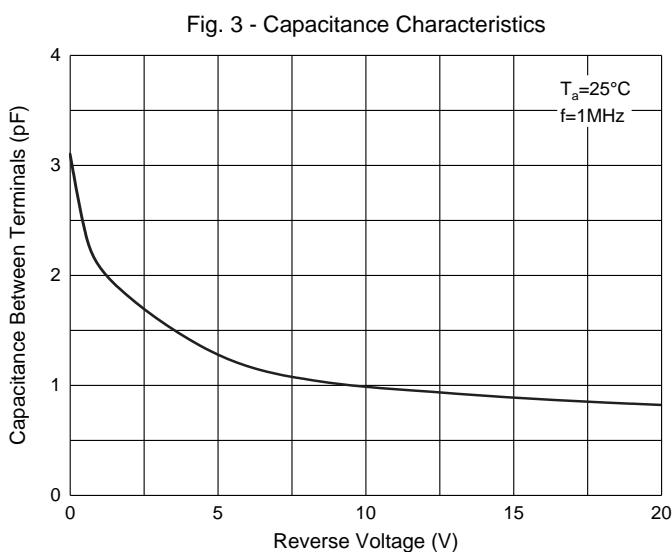
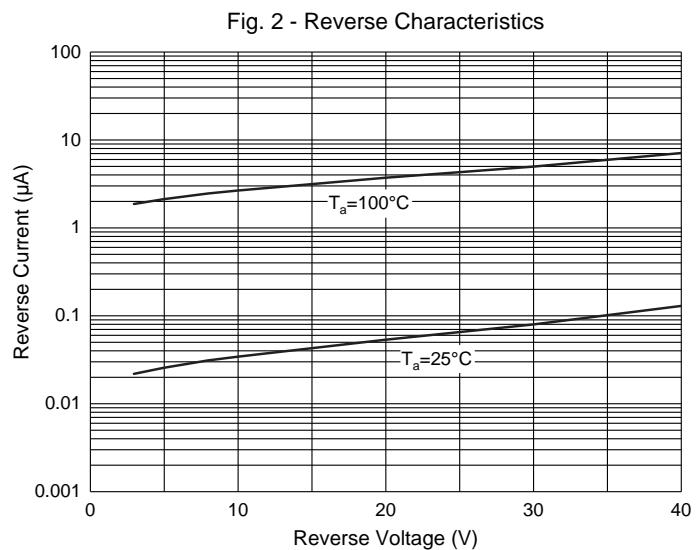
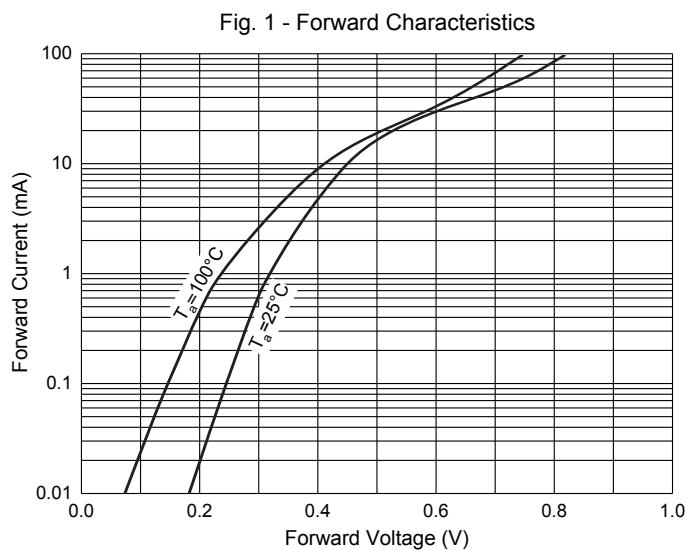


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.011	0.015	0.270	0.370	
B	0.022	0.026	0.570	0.670	
D	0.011	0.013	0.275	0.340	
E	0.005	0.008	0.125	0.195	
G	0.009	0.012	0.225	0.295	
J	0.014		0.365		TYP.

SUGGESTED SOLDER PAD LAYOUT



Curve Characteristics



Ordering Information

Device	Packing
Part Number-TP	Tape&Reel:10Kpcs/Reel

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