

Features

- Halogen Free Available Upon Request By Adding Suffix "-HF"
- · 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

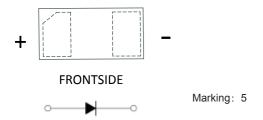
Maximum Ratings

- 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

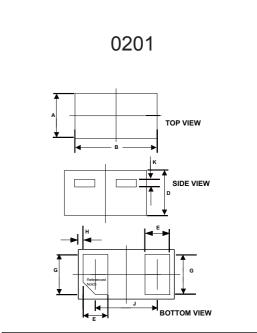
Parameter	Symbol	Rating	Units
Repetitive Peak Reverse Voltage	V _R	40	Vdc
RMS Reverse Voltage	V _{R(RMS)}	28	Vdc
Mean Rectifying Current	Io	30	mAdc
Non-Repetitive Peak forward Surge Current@t=8.3ms , half sine wave	I _{FSM}	200	mAdc
Power Dissipation	P_d	100	mW

Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min	Тур	Max	Units
Reverse Breakdown Voltage (I _R =1mA)	V _(BR)	40			Vdc
Forward Voltage (I _F =1mAdc)	V _F			0.37	Vdc
Reverse Current (V _R =30Vdc)	I _R			0.5	μAdc
Capacitance between Terminals (V _R =1V, f=1MHz)	С _т		2		pF

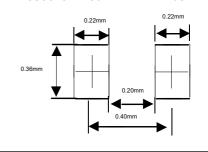


30 mA Schottky Barrier Diode 40 Volts



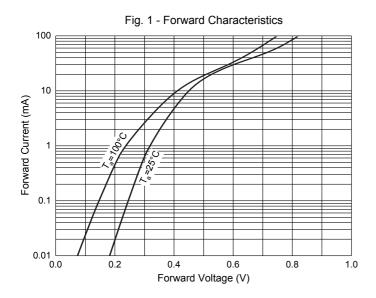
DIMENSIONS					
DIM	INCHES		MM		NOTE
DIIVI	MIN	MAX	MIN	MAX	NOTE
Α	0.011	0.015	0.270	0.370	
В	0.022	0.026	0.570	0.670	
D	0.011	0.013	0.275	0.340	
Е	0.005	0.008	0.125	0.195	
G	0.009	0.012	0.225	0.295	
Н	0.0	001	0.0	030	TYP.
J	0.014	0.017	0.365	0.435	
K	0.0	002	0.0)50	TYP.

SUGGESTED SOLDER PAD LAYOUT





Curve Characteristics



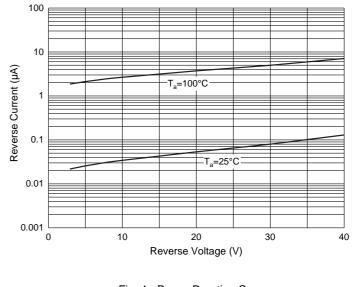
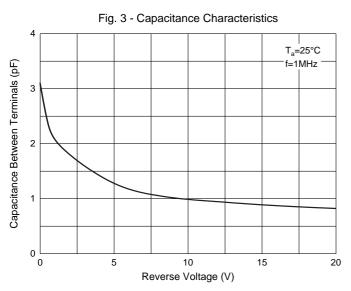
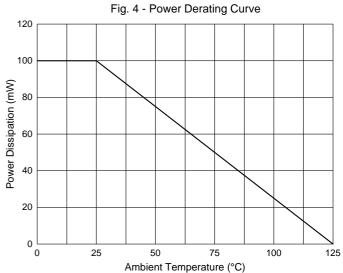


Fig. 2 - Reverse Characteristics







Ordering Information

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

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

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