

Obsolete

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Micro Commercial Components



Micro Commercial Components
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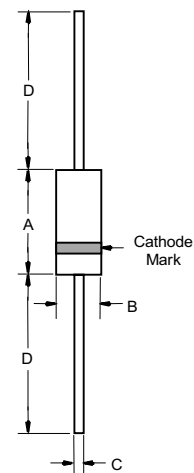
Phone: (818) 701-4933

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1SS244

300mW
Switching Diode
250 Volts

DO-34



Features

- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- High voltage switching
- General purpose rectification
- $V_{RM}=250V$ guaranteed.
- High reliability.
- Silicon epitaxial planar
- Marking : Cathode band and type number
- Moisture Sensitivity Level 1

Absolute maximum Ratings

Symbol	Rating	Rating	Unit
V_{RM}	Peak Reverse Voltage	250	V
V_R	DC Reverse Voltage	220	V
I_{FM}	Peak Forward Current	625	mA
I_O	Mean Rectifying Current	200	mA
I_{SURGE}	Surge Current (1s)	1000	mA
P_D	Power Dissipation	300	mW
T_J	Operating Junction Temperature	-55 to +150	$^{\circ}C$
T_{STG}	Storage Temperature	-55 to +150	$^{\circ}C$

Electrical Characteristics @ 25 $^{\circ}C$ Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
V_F	Forward Voltage ($I_F=200mA$)	---	1.5	Vdc
I_R	Reverse Current ($V_R=220V$)	---	10	μA
C_T	Capacitance Between Terminals ($V_R=0V$, $f=1.0MHz$)	---	3.0	pF
t_{rr}	Reverse Recovery Time ($I_R=20mA$, $I_F=20mA$, $R_L=50\Omega$)	---	75	ns

Note: 1. Lead in Glass Exemption Applied, see EU Directive Annex 5.

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.094	.118	2.40	3.00	
B	.063	.079	1.60	2.00	
C	.012	.020	0.30	0.50	
D	1.102	1.181	28.00	30.00	

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Revision: A

1 of 3

2011/01/01

1SS244

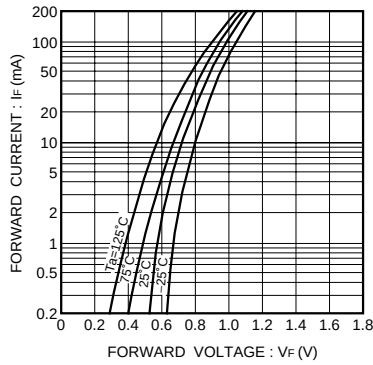


Fig.1 Forward characteristics

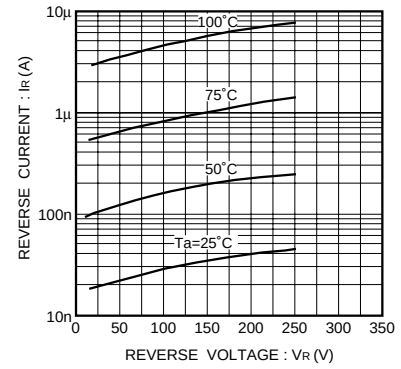


Fig.2 Reverse characteristics

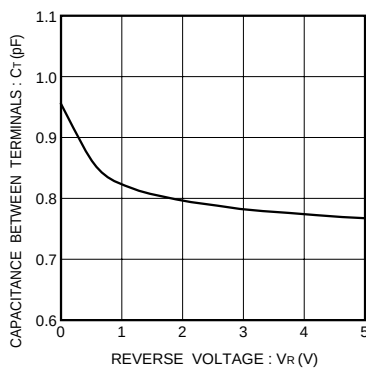


Fig.3 Capacitance between terminals characteristics

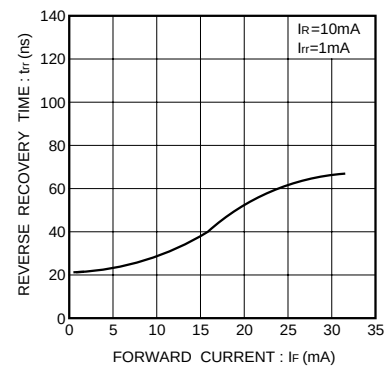


Fig.4 Reverse recovery time characteristics

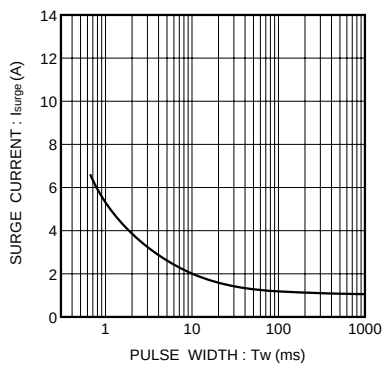


Fig.5 Surge current characteristics

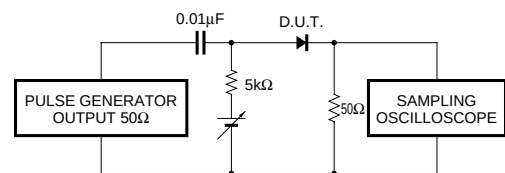


Fig.6 Reverse recovery time (t_r) measurement circuit

Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel
Part Number-AP	Ammo Packing: 5Kpcs/Ammo Box

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