

300mW, Hermetically Sealed Glass Switching Diodes

FEATURES

- Fast switching device (t_{rr} < 4.0 ns)
- Through-hole mount device type
- DO-34 package (JEDEC DO-204)
- Hermetically sealed glass
- Compression bonded construction
- All external surfaces are corrosion resistant and leads are readily solderable
- RoHS compliant
- Solder hot dip Tin (Sn) lead finish
- Cathode indicated by polarity band
- Marking code: 133





DO-34



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T _A =25°C unless otherwise noted)						
PARAMETER	SYMBOL	VALUE	UNIT			
Power Dissipation	P _D	300	mW			
Working Inverse Voltage	W _{IV}	90	V			
Average Rectified Current	Io	150	mA			
Non-Repetitive Peak Forward Current	I _{FM}	450	mA			
Peak Forward Surge Current	I _{FSURGE}	2	Α			
Operating Junction Temperature	T _J	+ 175	°С			
Storage Temperature Range	T _{STG}	-65 to +200	°С			

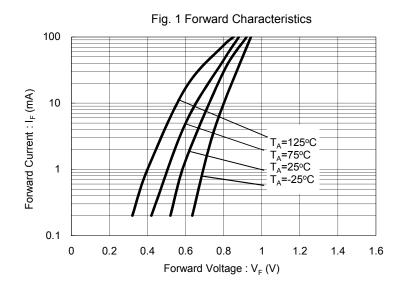
PARAMETER		SYMBOL	MIN	MAX	UNIT
Breakdown Voltage	I _R =500nA	B _V	80		V
Forward Voltage	I _F =100mA	V _F		1.2	V
Reverse Leakage Current	V _R =80V	I _R		500	nA
Junction Capacitance	V _R =0, f=1.0MHz	C _j		4.0	pF
Reverse Recovery Time	(Note 1)	t _{rr}		4.0	ns

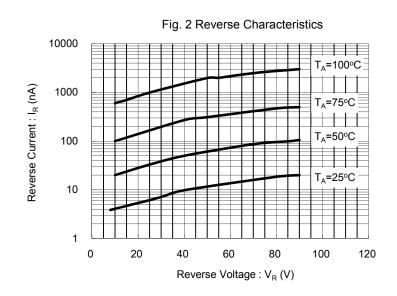
Notes: 1. Reverse Recovery Test Conditions: $I_F = I_R = 10 \text{mA}$, $R_L = 100 \Omega$, $I_{RR} = 1 \text{mA}$

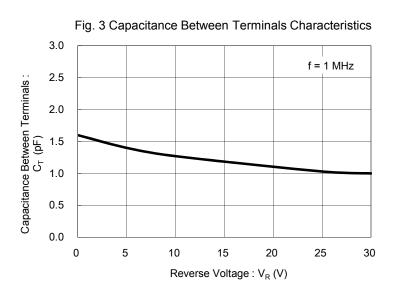


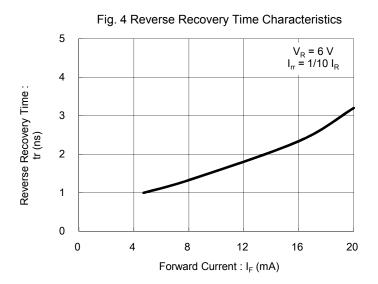
RATINGS AND CHARACTERISTICS CURVES

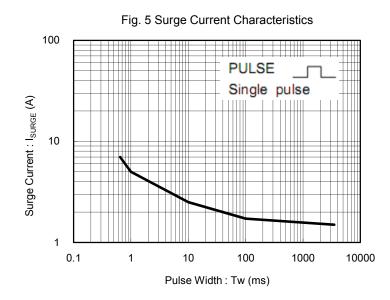
(T_A=25°C unless otherwise noted)











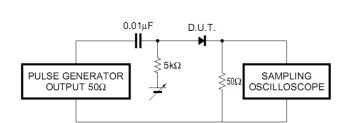
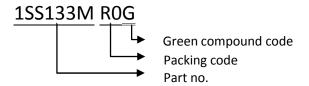


Fig. 6 Reverse Recovery Time (trr) Measurement Circuit

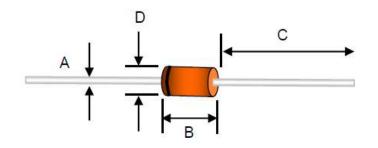
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ORDER INFORMATION (EXAMPLE)



PACKAGE OUTLINE DIMENSIONS



DIM.	Unit(mm)		Unit(inch)	
	Min	Max	Min	Max
Α	0.30	0.55	0.012	0.022
В	2.16	3.04	0.085	0.120
С	25.40	38.10	1.000	1.500
D	1.27	2.00	0.050	0.079







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