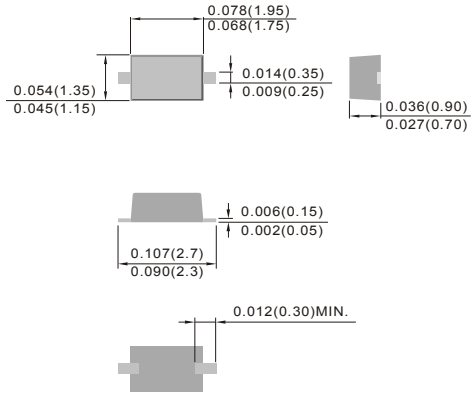
PANJIT SEMI CONDUCTOR

1SS355-AU

SURFACE MOUNT SWITCHING DIODE

VOLTAGE 90 Volt **POWER** 200 mW

SOD-323 Unit : inch(mm)



FEATURES

- Small surgace mounting type (SOD-323)
- High Speed (T_{RR}=1.2ns Typ)
- High reliability with surge current handing capability
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC 61249 standard
- AEC-Q101 qualified

MECHANICAL DATA

- Case: SOD-323 plastic
- Terminals: Solderable per MIL-STD-750,Method 2026
- Polarity: Color band denotes cathode end
- Approx Weight: 0.00014 ounces, 0.0041 grams
- Silicon epitaxial planar
- Marking: 355





Cathode Anode

MAXIMUM RATINGS

PARAMETER	SYMBOL	LIMITS	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RM}	90	V
Maximum DC Reverse Voltage	V_R	80	V
Maximum Peak Forward Current	I_{FM}	225	mA
Mean Rectifying Current	I_O	100	mA
Surge Current tp=1000ms(1sec)	I_{FSM}	0.5	A
Operating Junction and Storage Temperature Range	T_J,T_{STG}	-55 to + 150	^oC

ELECTRICAL CHARACTERISTICS

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	CONDITONS
Forward Voltage	V_F	--	--	1.2	V	I_F=100mA
Reverse Current	I_R	--	--	0.1	µA	V_R=80V
Capacitance Between Terminals	C_T	--	--	3	pF	V_R=0V,f=1MHz
Reverse Recovery Time	T_{RR}	--	--	4	ns	V_R=6V,I_F=10mA,R_L=100Ω

Note : 1.Mounted on min pad conditions using FR-4 PCB

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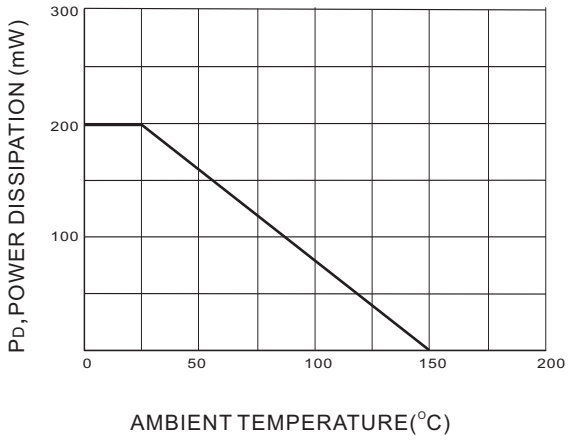


FIG. 1 POWER DERATING CURVE

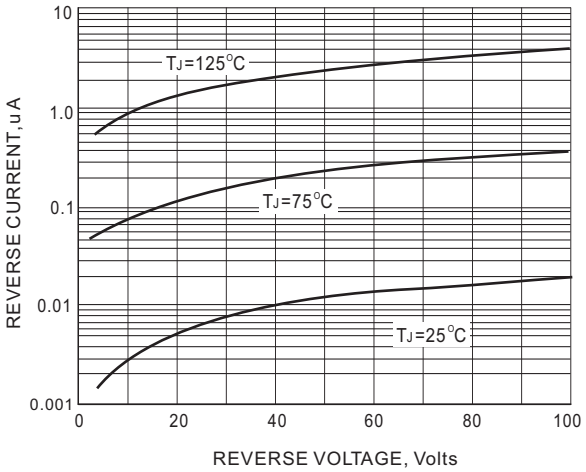


FIG. 2-TYPICAL REVERSE CHARACTERISTICS

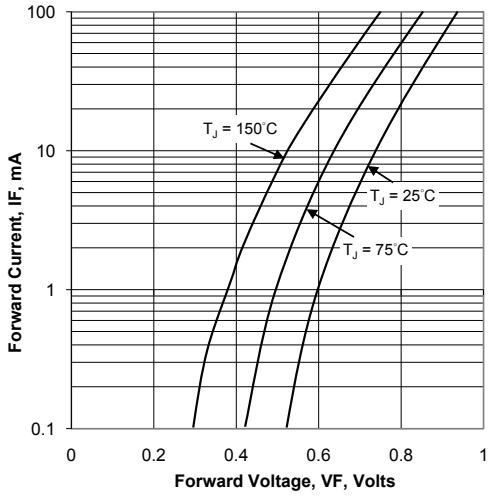


FIG. 3 TYPICAL FORWARD CHARACTERISTIC

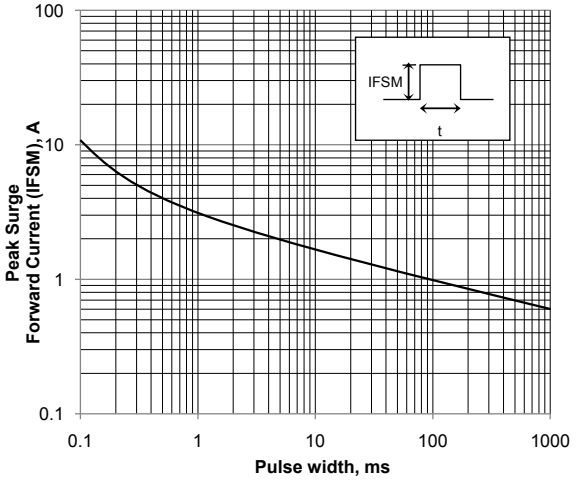


FIG.4-SURGE CURRENT

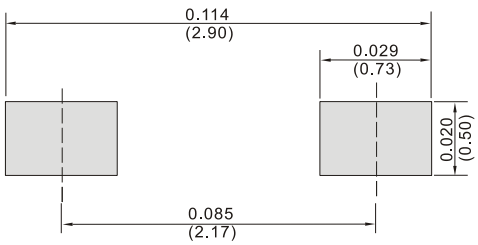
1SS355-AU

Product and Packing Information

Part No.	Package Type	Packing Type	Marking
1SS355-AU	SOD-323	5K pcs / 7” reel	355
1SS355-AU	SOD-323	12K pcs / 13” reel	355

Mounting Pad Layout

SOD-323 Pad Layout — Unit: inch(mm)



1SS355-AU

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