



1SS355

SURFACE MOUNT SWITCHING DIODE

VOLTAGE 90 Volts **POWER** 200 mW

SOD-323 Unit : inch(mm)

FEATURES

- Small surface mounting type (SOD-323)
- High Speed ($T_{RR}=1.2ns$ Typ)
- High reliability with surge current handling capability
- Lead free in comply with EU RoHS 2002/95/EC directives.
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL D5H5

Case: SOD-323 plastic

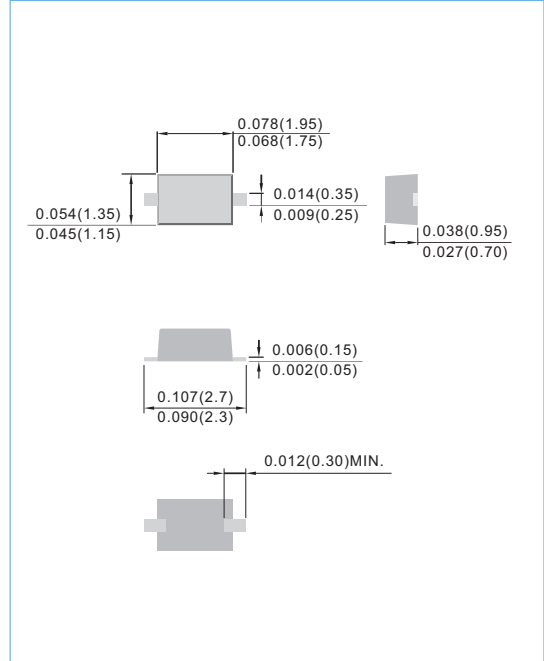
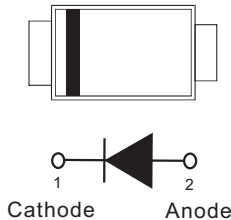
Terminals : Solderable per MIL-STD-750,Method 2026

Polarity : Color band cathode

Approx Weight: 0.00014 ounces, 0.0041 grams

Silicon epitaxial planar

Marking: 355



MAXIMUM RATINGS

PARAMETER	SYMBOL	LIMITS	UNITS
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 $t_p=1000ms(1sec)$	I_{FSM}	0.5	A
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 to + 150	°C

ELECTRICAL CHARACTERISTICS

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNITS	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	--	--	3.0	pF	$V_R=0V, f=1MHz$
Reverse Recovery Time	T_{RR}	--	--	4.0	ns	$V_R=6V, I_F=10mA, R_L=100\Omega$

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



1SS355

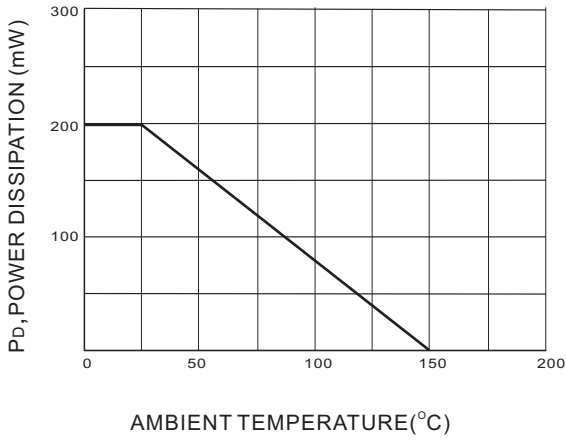


FIG. 1 POWER DERATING CURVE

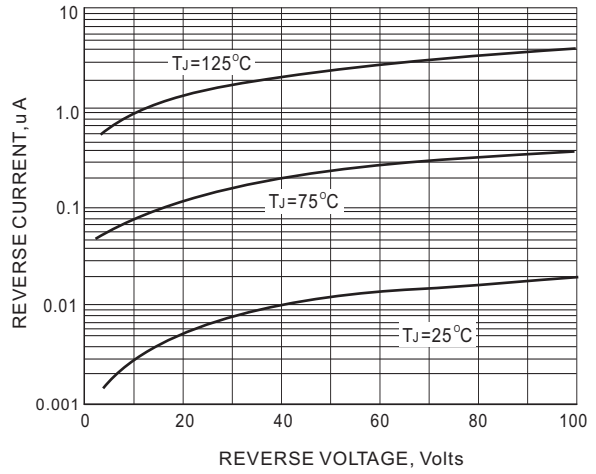


FIG. 2-TYPICAL REVERSE CHARACTERISTICS

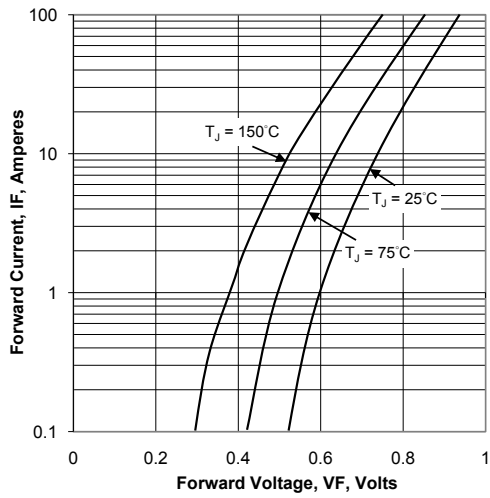


FIG. 3 TYPICAL FORWARD CHARACTERISTIC

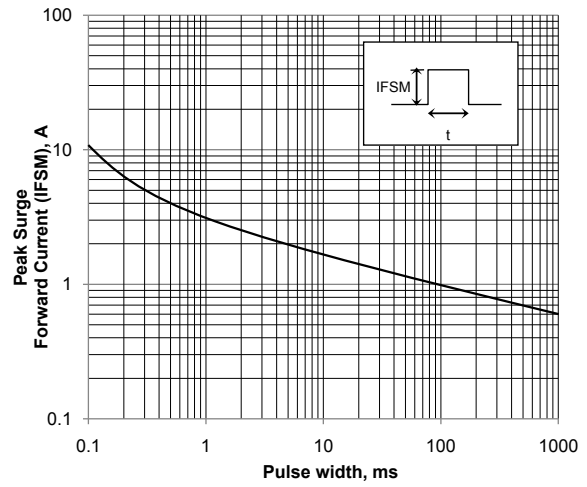
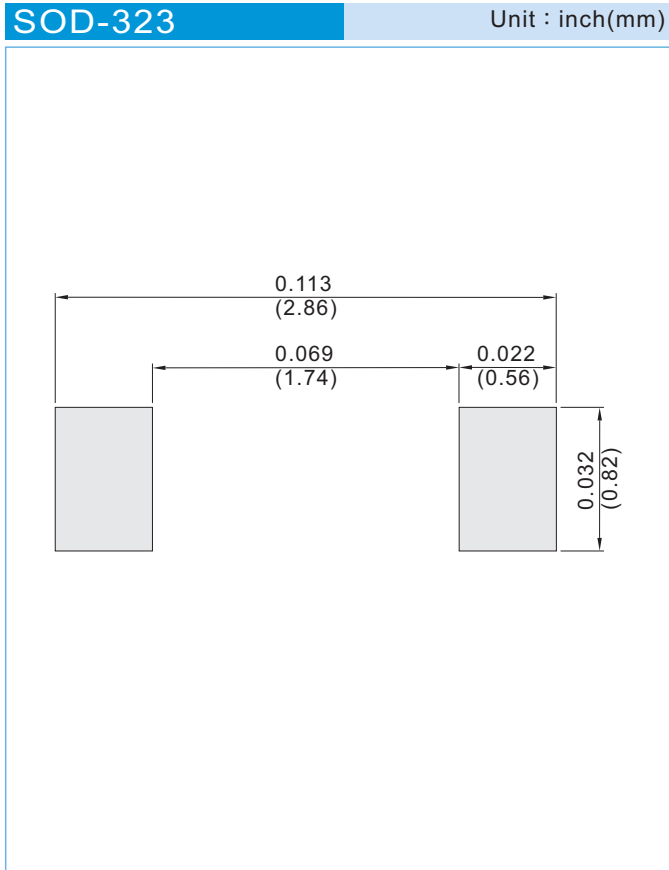


FIG.4-SURGE CURRENT



1SS355

MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
 - T/R - 12K per 13" plastic Reel
 - T/R - 5K per 7" plastic Reel

LEGAL STATEMENT

Copyright PanJit International, Inc 2012

The information presented in this document is believed to be accurate and reliable. The specifications and information herein are subject to change without notice. Pan Jit makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose. Pan Jit products are not authorized for use in life support devices or systems. Pan Jit does not convey any license under its patent rights or rights of others.



1SS355

For example :

RB500V-40_R2_00001



Packing Code XX				Version Code XXXXXX		
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code
T/B	A	N/A	0	HF	0	serial number
T/R	R	7"	1	RoHS	1	serial number
B/P	B	13"	2			
T/P	T	26mm	X			
TRR	S	52mm	Y			
TRL	L	PBCU	U			
FORMING	F	PBCD	D			

Part No_packing code_Version

1SS355_R1_00001

1SS355_R2_00001