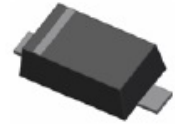
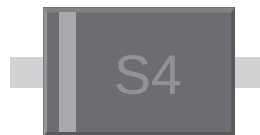


PRIMARY CHARACTERISTICS

P_D	200mW
I_O	150mA
V_F	1.2V
$T_{J,Max}$	150°C

SOD-323S
PACKAGE

Marking :


FEATURES

- High Speed Switching Device (TRR <4.0 nS)
- General Purpose Diodes
- Surface Device Type Mounting
- Matte Tin(Sn) Lead Finish
- Moisture Sensitivity Level 1

MECHANICAL DATA

- Case : Molded plastic,SOD-323S
- Polarity : Shown above
- Terminals :Plated terminals, solderable per MIL-STD-750,Method 2026
- Epoxy : UL94-V0 rated flame retardant

Absolute Maximum Ratings TA = 25°C unless otherwise noted

RATINGS	SYMBOL	1SS355F	UNITS
Power Dissipation	PD	200	mW
Repetitive Peak Reverse Voltage	V_{RM}	90	V
Reverse Voltage	V_R	80	V
Continuous Forward Current	I_O	150	mA
Forward Current	I_{FM}	250	mA
Peak Forward Surge Current (Pulse Width=1us)	I_{FSM}	2	A
Repetitive Peak Forward Current	I_{FRM}	500	mA
Operating junction temperature range	T_J	-55 ~ +150	°C
Storage Temperature Range	T_{STG}	-55 ~ +150	°C

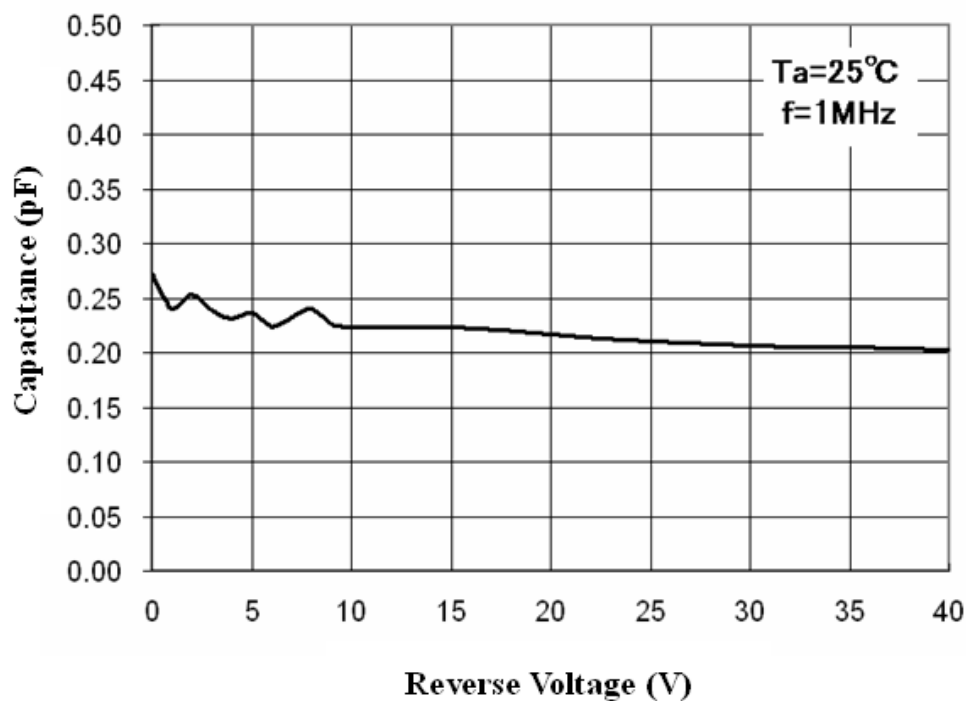
ELECTRICAL CHARACTERISTICS (At Ta = 25°C unless otherwise noted)

PARAMETER	SYMBOL	1SS355F	UNITS
Marking Code		S4	
Minimum Breakdown Voltage@ $I_R=100\mu A$	B_V	80	V
Maximum instantaneous forward voltage@ $I_F=100mA$	V_F	1.2	V
Maximum Reverse Leakage Current@ $V_R=80V$	I_R	100	nA
Maximum Capacitance@ $V_R=0.5V$, $f=1MHz$	C	4	pF
Maximum Reverse Recovery Time @ $I_F=10mA$, $V_R=6V$, $RL=100\Omega$	T_{RR}	4	nS

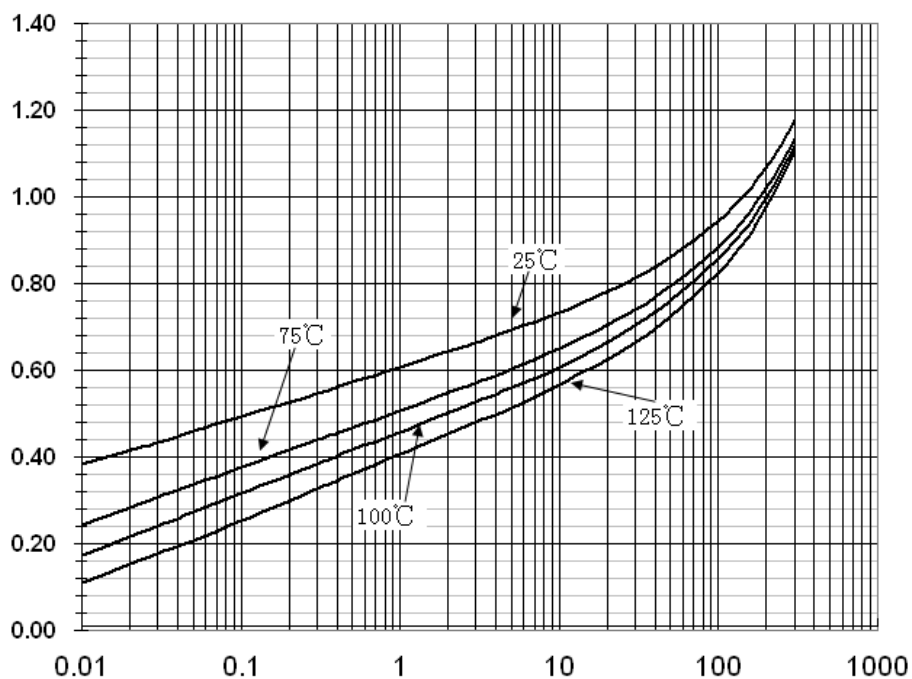


Typical Performance Characteristics

Total Capacitance

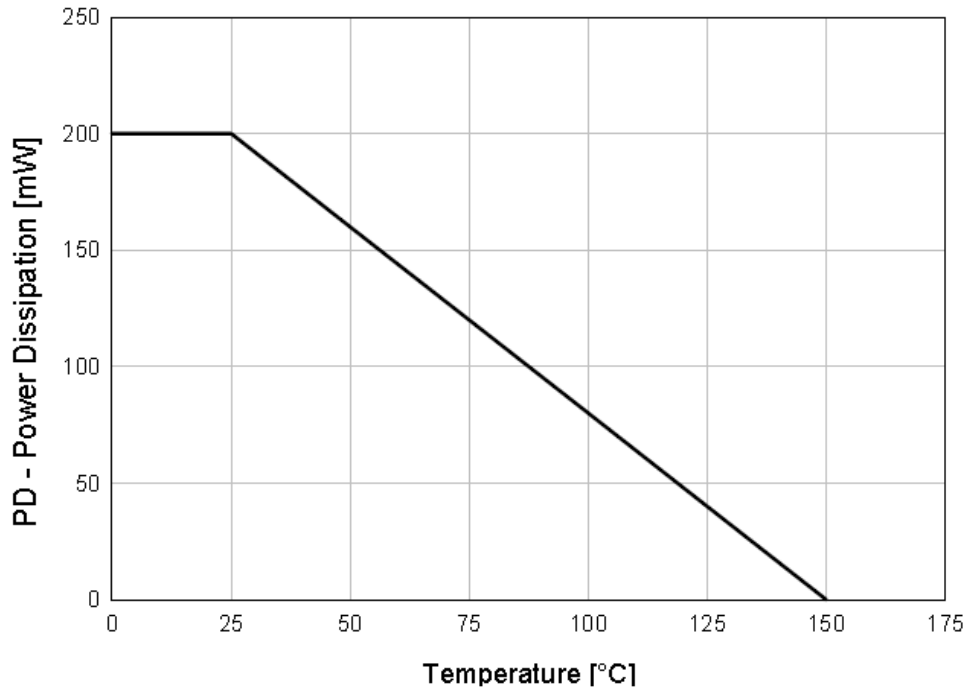


Forward Voltage vs Ambient Temperature

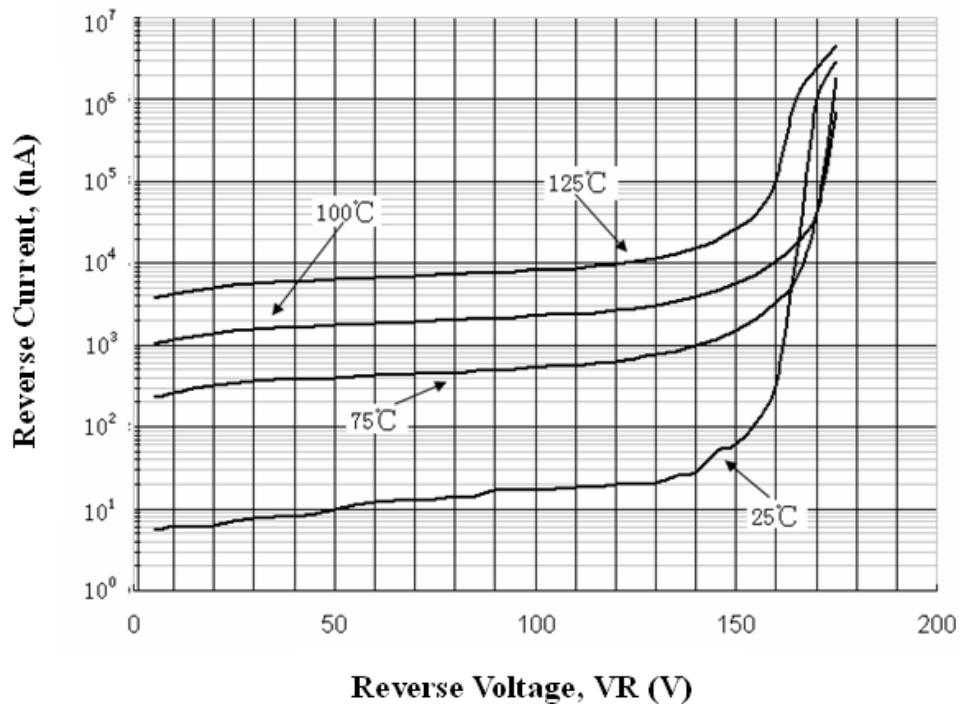




Power Derating Curve



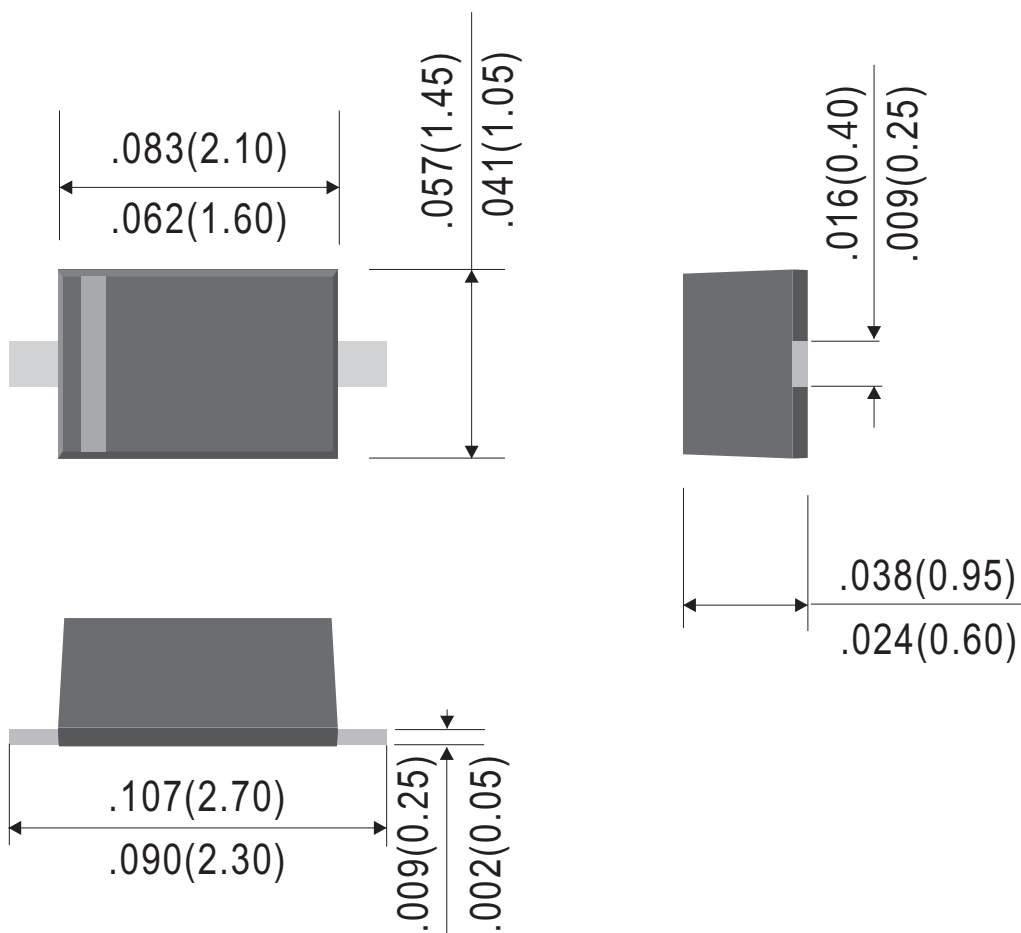
Reverse Current vs Reverse VoltageReverse





Outline Drawing

SOD-323S



Dimensions in inches and (millimeters)

Rev.D



Ordering Information:

Device PN	Packing
1SS355F -T ⁽¹⁾ G ⁽²⁾ -WS	Tape&Reel: 3 Kpcs/Reel

Note: (1) Packing code, Tape & Reel Packing

(2) RoHS product for packing code suffix "G" ; Halogen free product for packing code suffix "H"

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