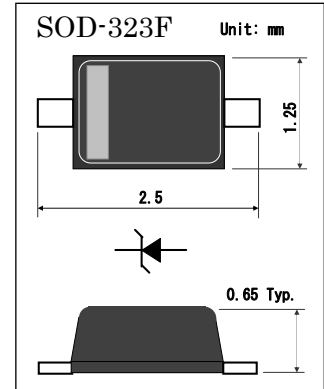


Small Signal Diode / DATA SHEET

1SS355

- ◇ General purpose diodes
- ◇ Fast switching devices
- ◇ SOD323F Thin SMD package
- ◇ RoHS compliant / Green EMC
- ◇ Matte Tin (Sn) Lead finish
- ◇ Cathode Band / Device marking

Device Marking Code	
1SS355	S5



Absolute Maximum Ratings (Ta = 25 °C)

Symbol	Parameter	Value	Units
V_{RM}	Repetitive Peak Reverse Voltage	90	V
V_R	Reverse Voltage	80	V
I_{FM}	Forward Current	225	mA
I_{FSM}	Non-Repetitive Peak Forward Current *1	500	mA
I_O	Continuous Forward Current	150	mA
P_D	Power Dissipation	200	mW
T_J	Junction Temperature	150	°C
T_{STG}	Storage Temperature	-55 to +150	°C

*1 Pulse width = 1s

Electrical Characteristics (Ta = 25 °C)

Symbol	Parameter	Conditions	Min	Max	Units
BV_R	Breakdown Voltage	$I_R = 100 \mu A$	80		V
I_R	Reverse Current	$V_R = 80V$		100	nA
V_F	Forward Voltage	$I_F = 100mA$		1.2	V
C	Capacitance	$V_R = 0.5V, f = 1MHz$		3	pF
T_{RR}	Reverse Recovery Time	$I_F = 10mA, V_R = 6V$ $R_L = 100 \Omega$		4	ns

Ordering Information

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
1SS355	SOD323F	Tape & Reel 3000pcs /7" Reel	8 mm	4 mm	Conductive	

Package Dimensions

