



SOD-323



Features
• Small surface mounting type. • High Speed.(trr =1.2ns Typ.) • High reliability with high surge current handling capability. • Weight :0.01g

Ordering Information			
Part No.	Remark	Package	Packing
1SS355	General	SOD-323	3000 / Tape & Reel
1SS355-H	Halogen Free		
1SS355-Q	AEC-Q101 qualified		

Absolute Maximum Ratings TA = 25°C unless otherwise noted			
Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	90	V
DC reverse voltage	V_R	80	V
Peak forward current	I_{FM}	225	mA
Mean rectifying current	I_O	100	mA
Surge current (1s)	I_{surge}	500	mA
Junction temperature	T_J	125	°C
Storage temperature	T_{stg}	-55~+125	°C

Electrical characteristics (Ta=25°C)						
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditons
Forward voltage	V_F	-	-	1.2	V	$I_F=100mA$
Reverse current	I_R	-	-	0.1	uA	$V_R=80V$
Capacitance between terminals	C_T	-	-	3	pF	$V_R=0.5V, f=1MHz$
Reverse recovery time	trr	-	-	4	ns	$V_R=6V, I_F=10mA, R_L=100\Omega$
Marking	5D					

Rating and Characteristics Curves

Fig.1 Forward characteristics

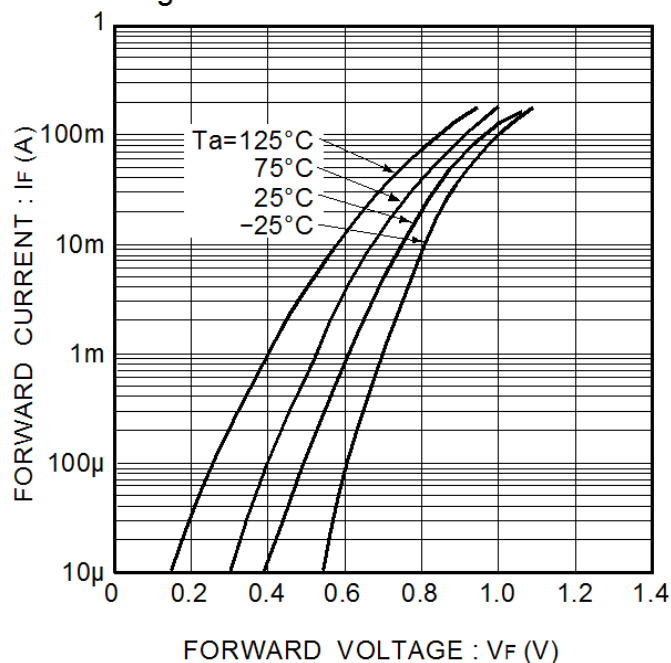


Fig.2 Reverse characteristics

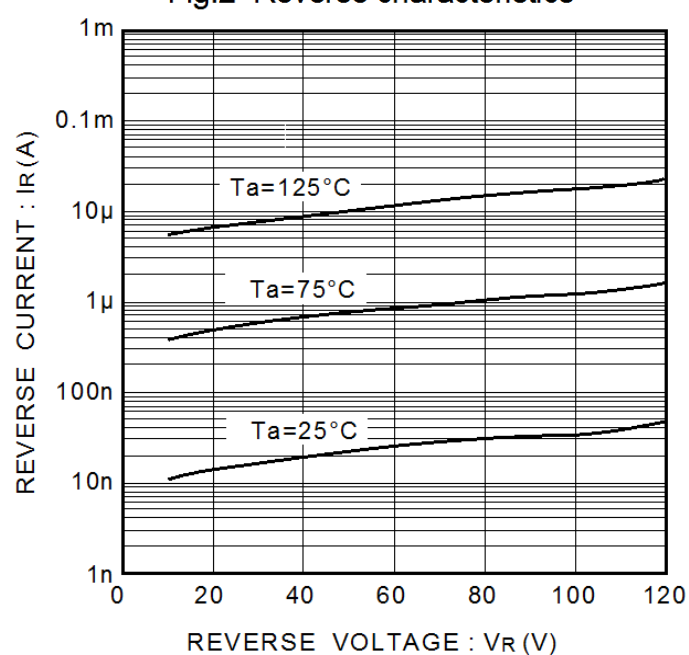
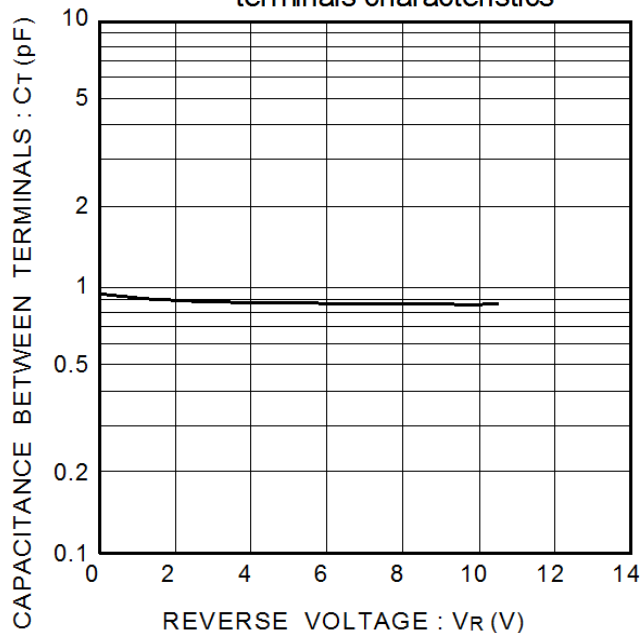
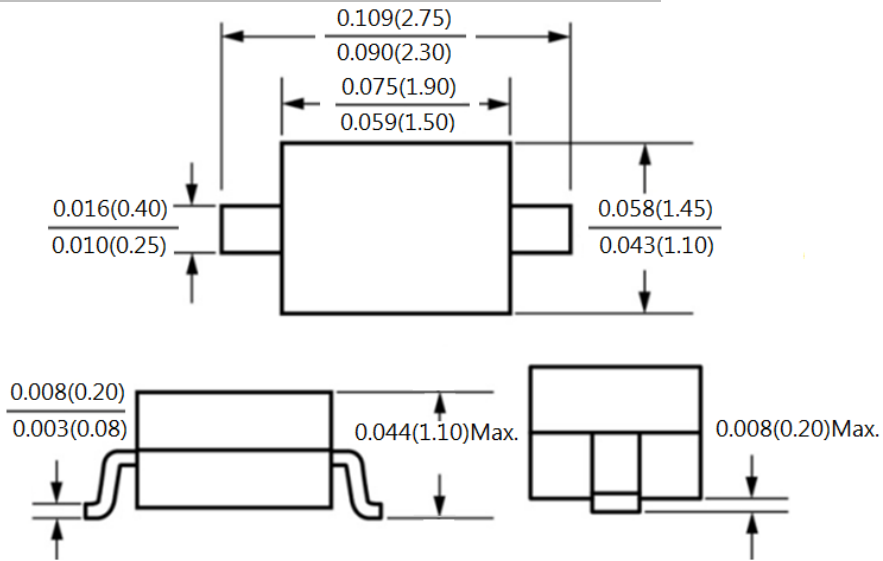


Fig.3 Capacitance between terminals characteristics



Package Outline Dimensions

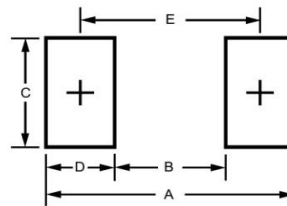


SOD323

Dimensions in inches and (millimeters)

Suggested Pad Layout

Symbol	Outline	SOD323 millimeters
A		2.85
B		1.60
C		0.83
D		0.63
E		-



Tap & Reel Specification

Item	Symbol	Dimension
		Unit (mm)
Carrier length	B	4.55 Max.
Carrier depth	C	2.4 Max.
Sprocket hole	d	1.5 ±0.1
Reel outside diameter	D	178 ±2
Feed hole diameter	D0	13 ±0.5
Reel inner diameter	D1	50 Min.
Sprocket hole position	E	1.75 ±0.1
Punch hole position	F	3.5 ±0.05
Sprocket hole pitch	P	4.0 ±0.1
Sprocket hole pitch	P0	4.0 ±0.1
Embossment center	P1	2.0 ±0.1
Tape width	W	8.3 Max.
Reel width	W1	8.4 +1.5

