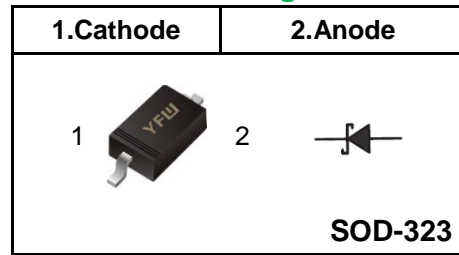


**SILICON EPITAXIAL SCHOTTKY BARRIER DIODE**

**Pinning**

**Applications**

◆ High speed switching



**Marking Code**

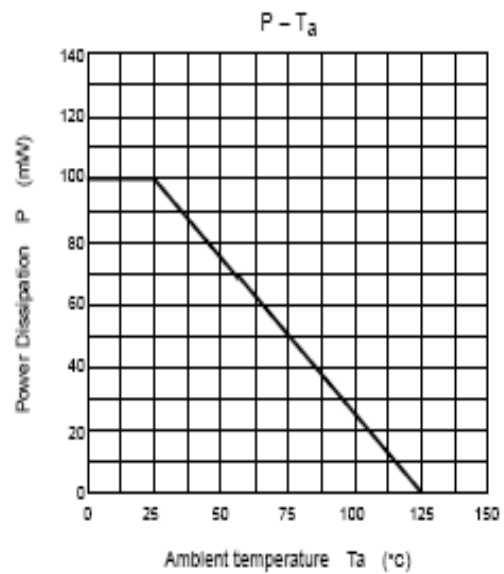
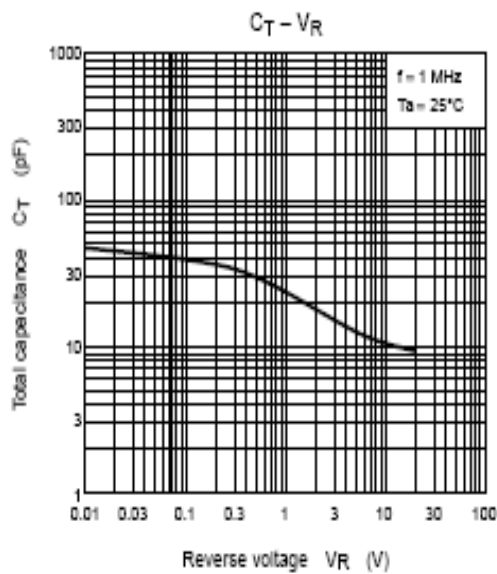
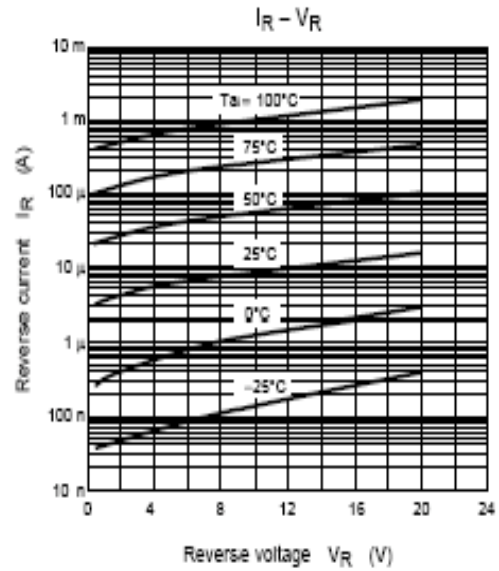
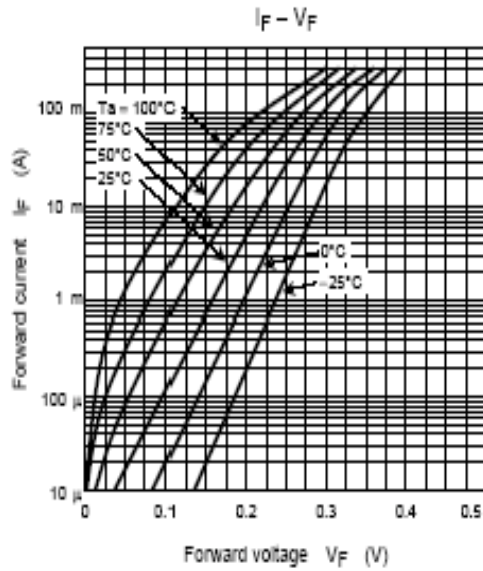
<b>1SS404WS</b>	<b>R9</b>
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**Absolute Maximum Ratings (Ta=25°C )**

Parameter	Symbol	Value	Unit
Maximum (Peak) Reverse Voltage	$V_{RM}$	25	V
Reverse Voltage	$V_R$	20	V
Average Forward Current	$I_O$	300	mA
Maximum (Peak) Forward Current	$I_{FM}$	700	mA
Power Dissipation	$P_{tot}$	200	mW
Junction Temperature	$T_J$	125	°C
Storage Temperature Range	$T_{stg}$	- 55 to + 125	°C

**Characteristics at Ta =25°C**

Parameter	Symbol	Typ.	Max.	Unit
Forward Voltage at $I_F = 300$ mA	$V_F$	-	0.45	V
Reverse Current at $V_R = 20$ V	$I_R$	-	50	μA
Total Capacitance at $f = 1$ MHz	$C_T$	46	-	pF



**Ordering information**

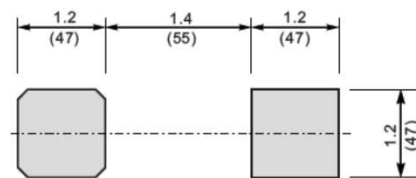
Package	Packing Description	Packing Quantity
SOD-323	Tape/Reel, 7" reel	3000PCS/Reel 120000PCS/Carton

**Package Dimensions**

**SOD-323**

Dim.	Millimeter(mm)		mil	
	Min.	Max.	Min.	Max.
A	0.8	1.1	32	43
C	0.08	0.15	3.1	5.9
D	1.2	1.4	47	55
E	1.4	1.8	63	70
E1	2.55	2.75	100	108
b	0.25	0.4	9.8	16
L1	0.2	0.45	7.9	16
A1	-	0.2	-	8
∠	9°			

**The recommended mounting pad size**



Unit:  $\frac{mm}{(mil)}$

## Disclaimer

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