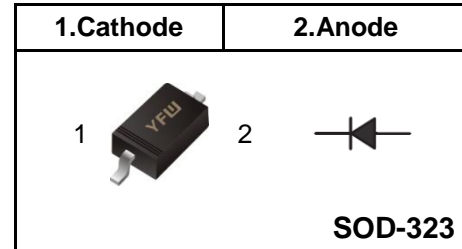


■ High Speed Switching Diode

**FEATURES**

- High Voltage

**Pinning**



**Marking Code**

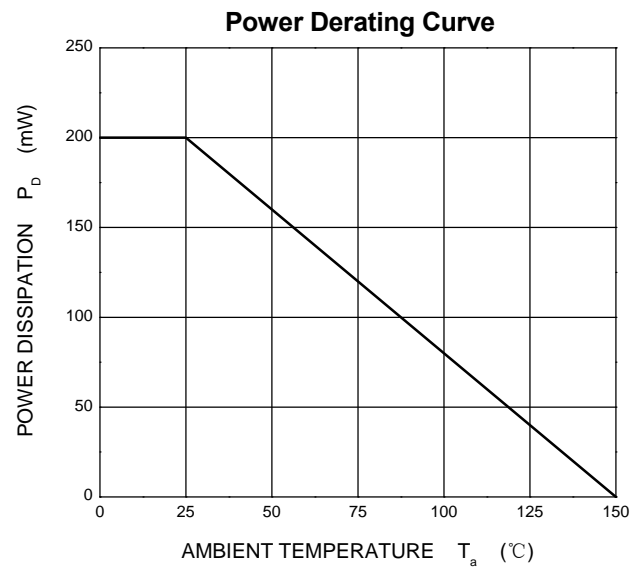
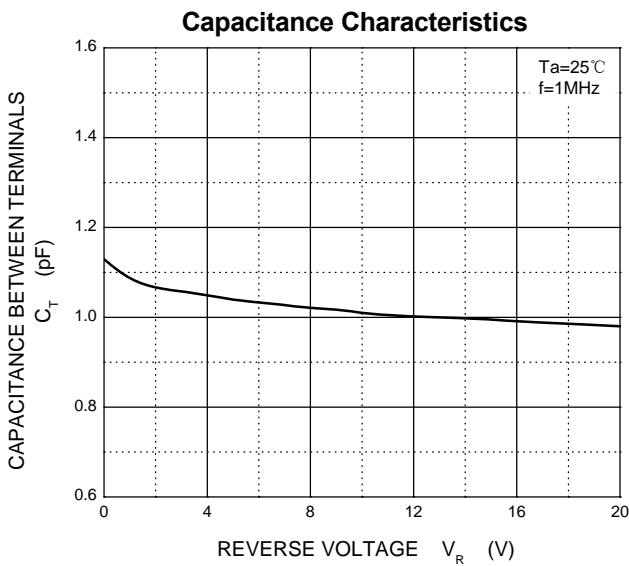
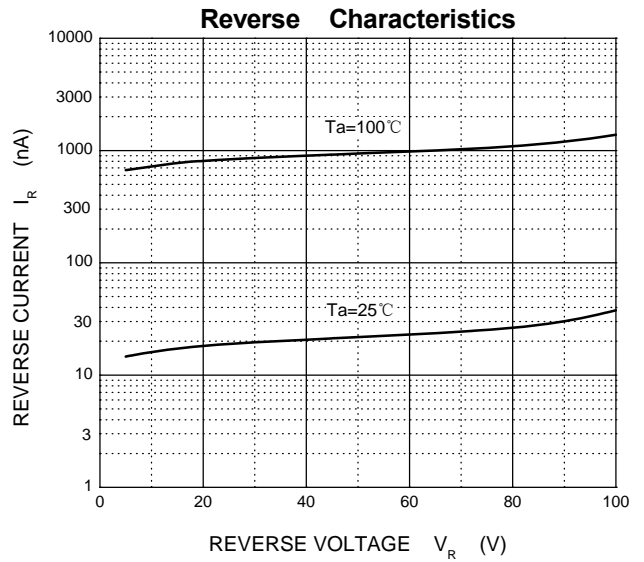
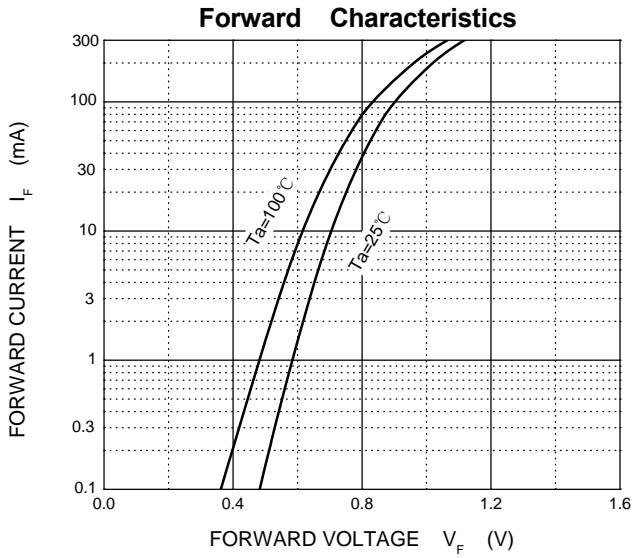
<b>MMDL914</b>	<b>5D</b>
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**MAXIMUM RATINGS ( T<sub>a</sub>=25°C unless otherwise noted )**

Symbol	Parameter	Value	Unit
<b>V<sub>RRM</sub></b>	Maximum Repetitive Reverse Voltage	100	V
<b>I<sub>O</sub></b>	Forward Current	0.2	A
<b>I<sub>FSM</sub></b>	Non-repetitive Peak Forward Surge Current @t= 8.3ms	2	
<b>P<sub>D</sub></b>	Power Dissipation	200	mW
<b>R<sub>θJA</sub></b>	Thermal Resistance from Junction to Ambient	500	°C/W
<b>T<sub>J</sub></b>	Junction Temperature	150	°C
<b>T<sub>stg</sub></b>	Storage Temperature	-55~+150	°C

**ELECTRICAL CHARACTERISTICS(T<sub>a</sub>=25°C unless otherwise specified)**

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
<b>Reverse voltage</b>	V <sub>(BR)</sub>	I <sub>R</sub> =100μA	100			V
<b>Reverse current</b>	I <sub>R</sub>	V <sub>R</sub> =20V			25	nA
		V <sub>R</sub> =75V			5	μA
<b>Forward voltage</b>	V <sub>F</sub>	I <sub>F</sub> =10mA			1	V
<b>Total capacitance</b>	C <sub>tot</sub>	V <sub>R</sub> =0V,f=1MHz			4	pF
<b>Reverse recovery time</b>	t <sub>rr</sub>	I <sub>F</sub> = I <sub>R</sub> =10mA, I <sub>rr</sub> =0.1×I <sub>R</sub> , R <sub>L</sub> =100Ω			4	ns



**Ordering information**

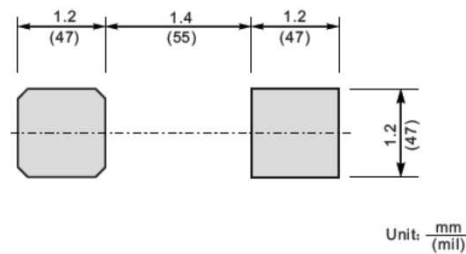
Package	Packing Description	Packing Quantity
SOD-323	Tape/Reel,7"reel	3000PCS/Reel 120000PCS/Carton

**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**



## Disclaimer

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