



MMVL3401

SURFACE MOUNT PIN DIODE

VOLTAGE	35 Volts	POWER	200 mW
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SOD-323

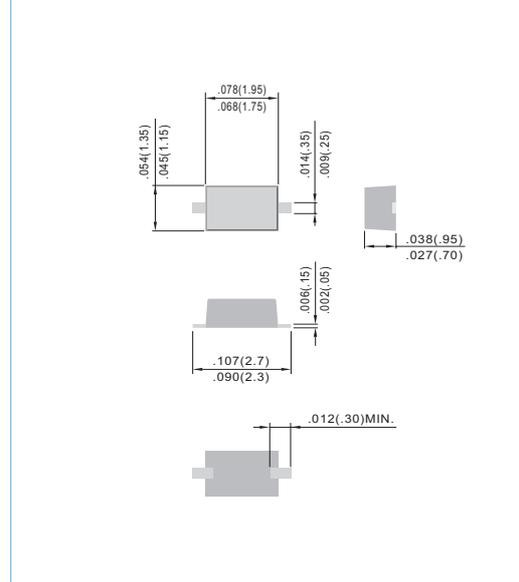
Unit: inch (mm)

FEATURES

Very low series resistance at 100MHz (0.45 Ω typical@ $I_F=10mA$)
 Low capacitance (0.8pF typical@ $V_R=20V$)
 Surface mount package ideally suited for automatic insertion
 Pb free product are available : 99% Sn above can meet RoHS
 environment substance directive request

MECHANICAL DATA

Case: SOD-323 plastic
 Terminals : Solderable per MIL-STD-750,Method 2026
 Approx Weight: 0.008 grams
 Device Marking : V34



ABSOLUTE RATINGS

PARAMETER	SYMBOL	VALUE	UNITS
Maximum Reverse Voltage	V_R	35	V
Continuous Forward Current	I_F	0.2	A
Power Dissipation ⁽¹⁾	P_{TOT}	200	mW
Junction and Storage Temperature Range	T_J, T_{STG}	-55 to 150	$^{\circ}C$

THERMAL CHARACTERISTICS

PARAMETER	SYMBOL	VALUE	UNITS
Thermal Resistance , Junction to Ambient ⁽¹⁾	$R_{\theta JA}$	625	$^{\circ}C/W$

Note 1 : FR-5 Board 1.0 x 0.75 x 0.062 in.

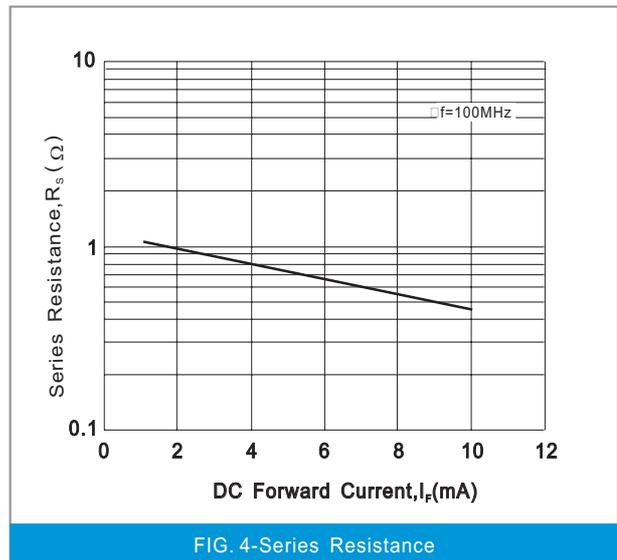
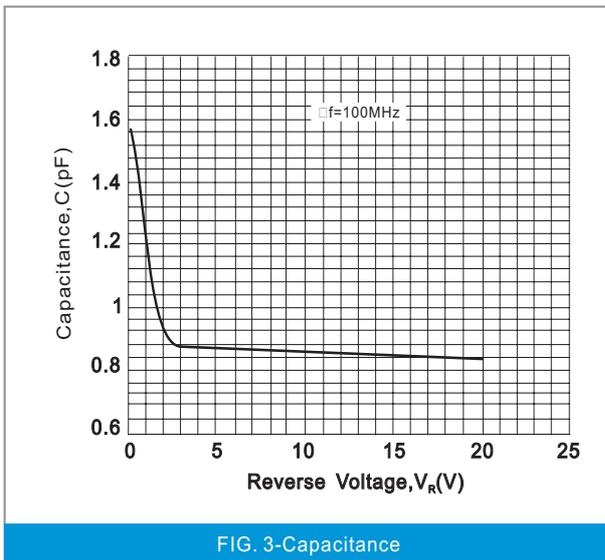
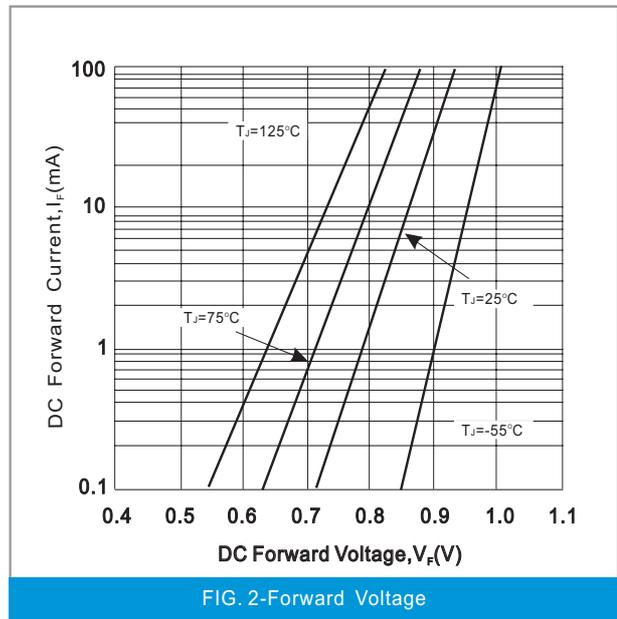
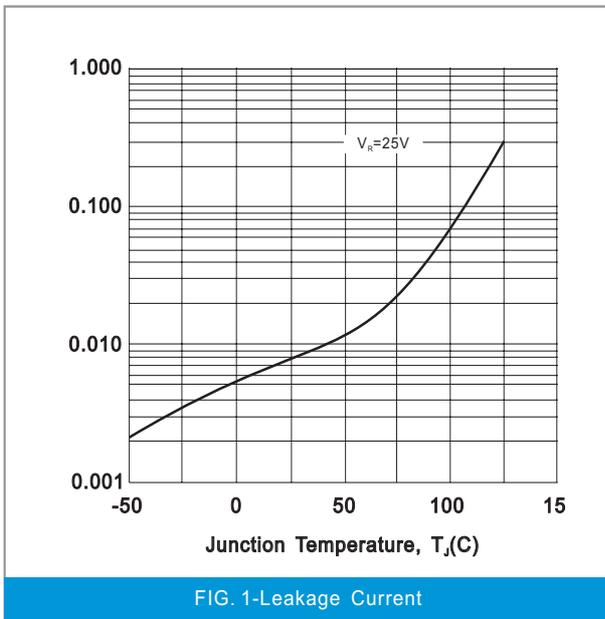


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ELECTRICAL CHARACTERISTICS ($T_A=25^\circ\text{C}$, unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Reverse Breakdown Voltage	$V_{(BR)}$	$I_R=10\mu\text{A}$	35	-	-	V
Reverse Current	I_R	$V_R=25\text{V}$	-	-	100	nA
Series Resistance	R_S	$I_F=10\text{mA}, f=100\text{MHz}$	-	0.45	0.7	Ω
Total Capacitance	C_T	$f=1.0\text{MHz}; V_R=20\text{V}$	-	-	1.0	pF

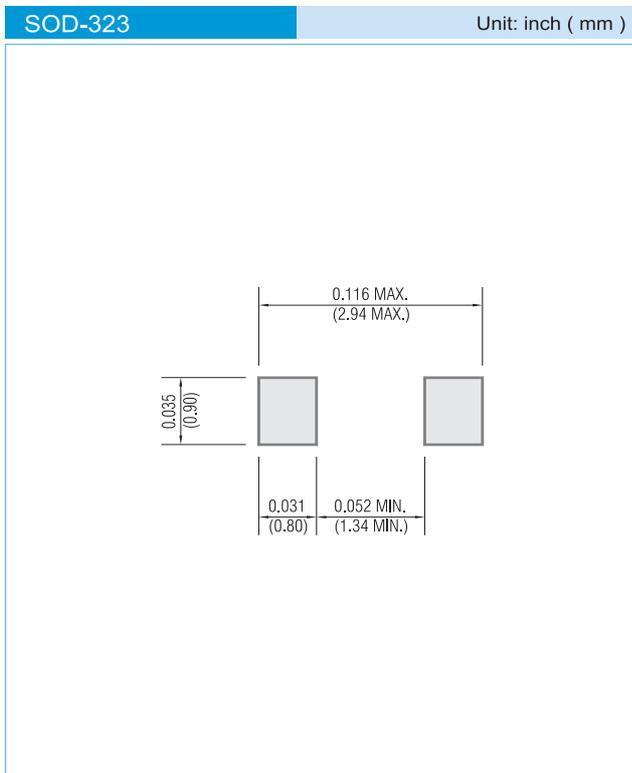
ELECTRICAL CHARACTERISTICS CURVE





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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
 - T/R - 12K per 13" plastic Reel
 - T/R - 5K per 7" plastic Reel

LEGAL STATEMENT

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