



MMBV3401

SURFACE MOUNT PIN DIODE

VOLTAGE 35 Volts **POWER** 200 mW

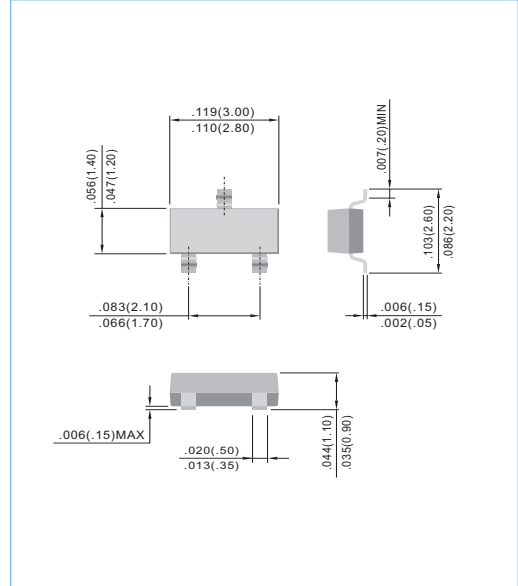
SOT-23 Unit: inch (mm)

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: SOT-23 plastic
- Terminals : Solderable per MIL-STD-750,Method 2026
- Approx Weight: 0.008 grams
- Device Marking : V34



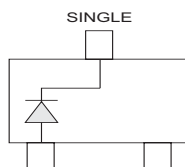
ABSOLUTE RATINGS

Parameter	Symbol	Value	Units
Maximum Reverse Voltage	V _R	35	V
Continuous Forward Current	I _F	0.2	A
Power Dissipation (Note 1)	P _{TOT}	200	mW
Junction and Storage Temperature Range	T _J , T _{STG}	-55 to 150	°C

THERMAL CHARACTERISTICS

Parameter	Symbol	Value	Units
Thermal Resistance, Junction to Ambient (Note 1)	R _{θJA}	625	°C / W

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



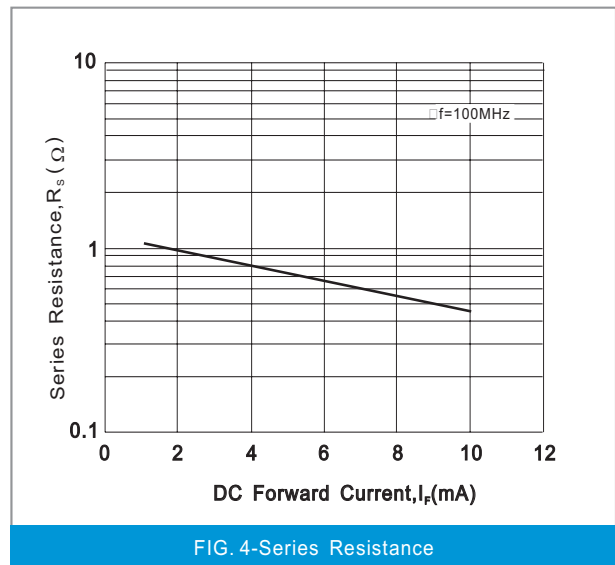
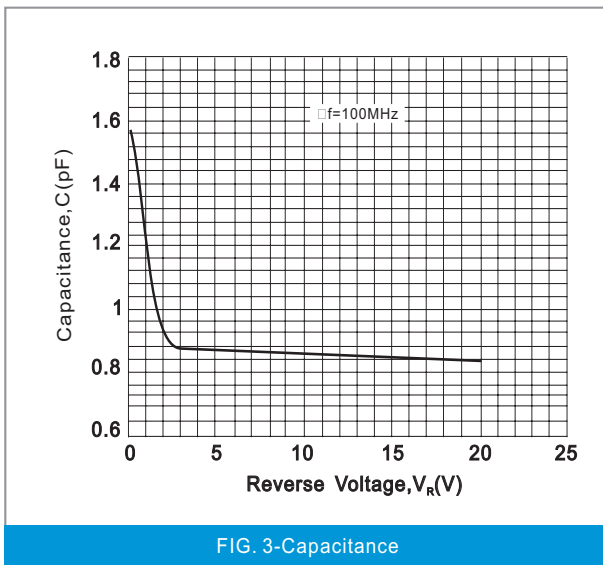
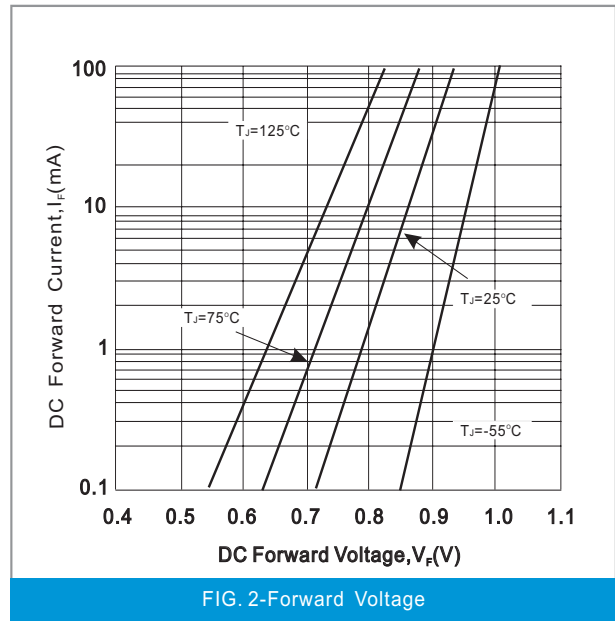
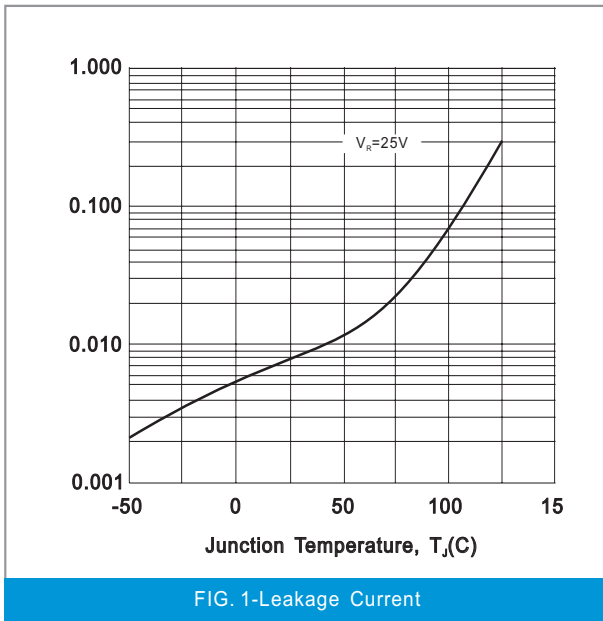


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ELECTRICAL CHARACTERISTICS ($T_A=25^\circ\text{C}$, unless otherwise noted)

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	$V_R=20\text{V}, f=1\text{MHz}$	-	-	1.0	pF

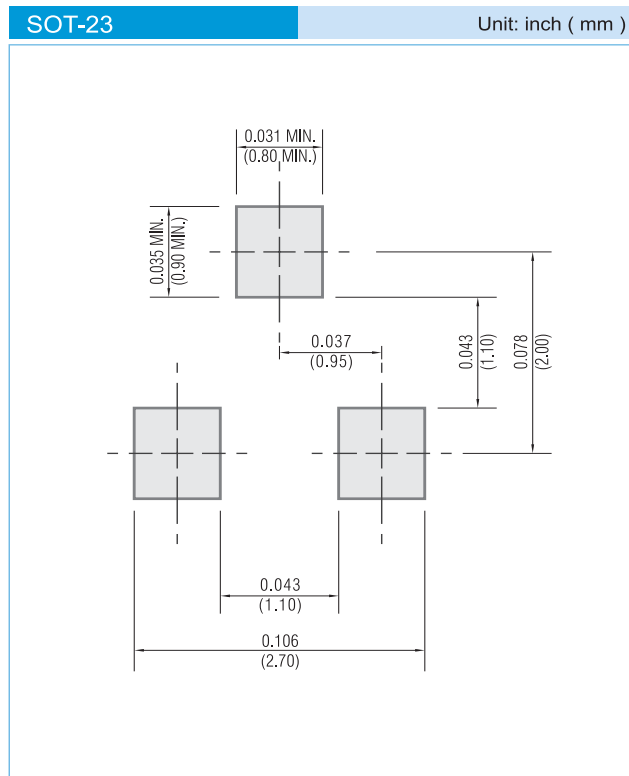
ELECTRICAL CHARACTERISTICS CURVE





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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information

T/R - 12K per 13" plastic Reel

T/R - 3K per 7" plastic Reel

LEGAL STATEMENT

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