

MMVL3401TS

SURFACE MOUNT PIN DIODE

VOLTAGE 35 Volts **POWER** 200 mW

SOD-523

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
In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

Case: SOD-523 plastic

Terminals : Solderable per MIL-STD-750,Method 2026

Approx Weight: 0.008 grams

Device Marking : 34

Polarity : Color band cathode



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	$^{\circ}C/W$

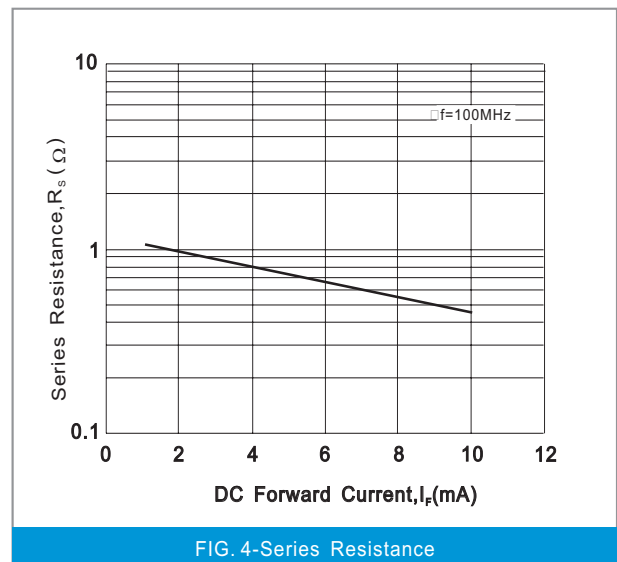
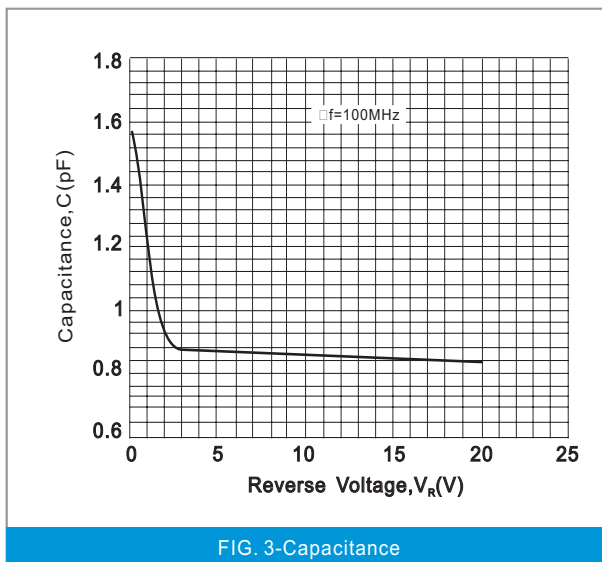
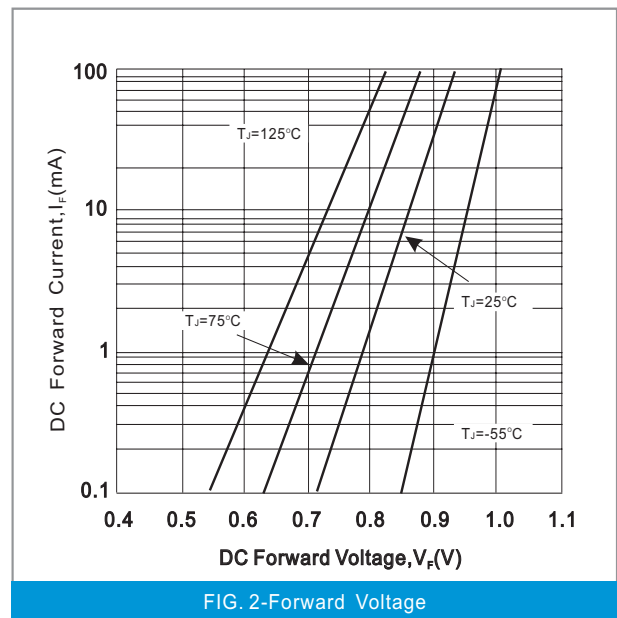
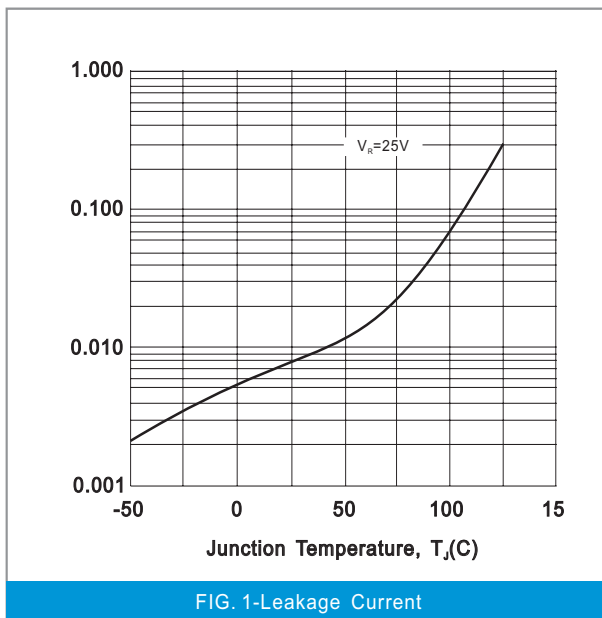
Note 1 : FR-4 Board 70 x 60 x 1mm.

MMVL3401TS

ELECTRICAL CHARACTERISTICS (T_A=25°C, unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Reverse Breakdown Voltage	V _(BR)	I _R =10μA	35	-	-	V
Reverse Current	I _R	V _R =25V	-	-	100	nA
Series Resistance	R _S	I _F =10mA, f=100MHz	-	0.45	0.7	Ω
Total Capacitance	C _T	f=1.0MHz ; V _R =20V	-	-	1.0	pF

ELECTRICAL CHARACTERISTICS CURVE

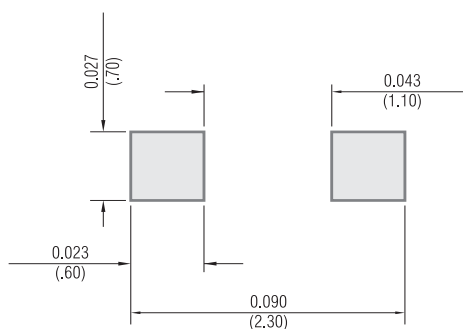


MMVL3401TS

MOUNTING PAD LAYOUT

SOD-523

Unit: inch (mm)



ORDER INFORMATION

- Packing information

T/R - 12K per 13" plastic Reel

T/R - 5K per 7" plastic Reel

LEGAL STATEMENT

Copyright PanJit International, Inc 2009

The information presented in this document is believed to be accurate and reliable. The specifications and information herein are subject to change without notice. Pan Jit makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose. Pan Jit products are not authorized for use in life support devices or systems. Pan Jit does not convey any license under its patent rights or rights of others.