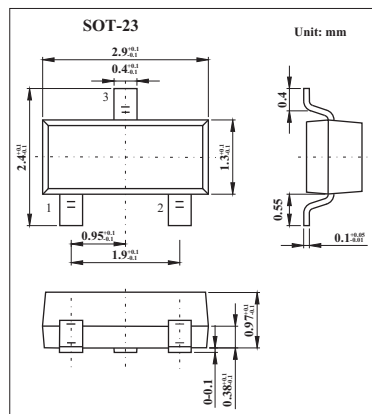


# MMBV3401

## ■ Features

- Low Capacitance ? 0.7 pF (Typ) at  $V_R = 20\text{ Vdc}$
- Very Low Series Resistance at 100 MHz  
0.34Ω (Typ) @  $I_F = 10\text{ mAdc}$



## ■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Continuous reverse voltage	$V_R$	35	V
Continuous forward current	$I_F$	200	mA
Power Dissipation @ $T_A = 25^\circ\text{C}$	$P_{tot}$	200	mW
Junction Temperature	$T_J$	125	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	-55 to +150	$^\circ\text{C}$

## ■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Test conditons	Min	Typ	Max	Unit
Reverse voltage	$V_R$	$I_R = 10\ \mu\text{A}$	35			V
Reverse current	$I_R$	$V_R = 25\text{ V}$			100	nA
Series Resistance	$R_S$	$I_F = 10\text{mA}, f = 100\text{MHz}$			0.7	$\Omega$
Total Capacitance	$C_T$	$V_R = 20\text{V}, f = 1\text{MHz}$			1.0	pF

## ■ Marking

Marking	4D
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# MMBV3401

■ Typical Characteristics

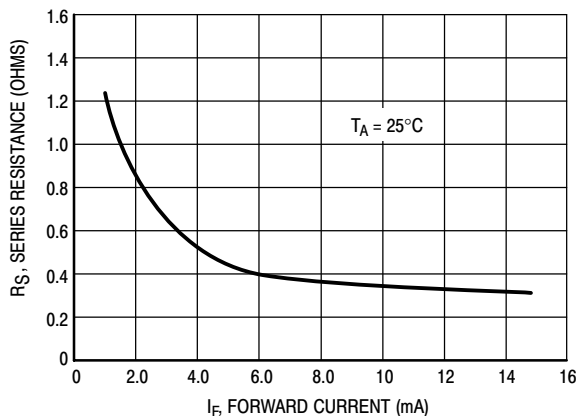


Figure 1. Series Resistance

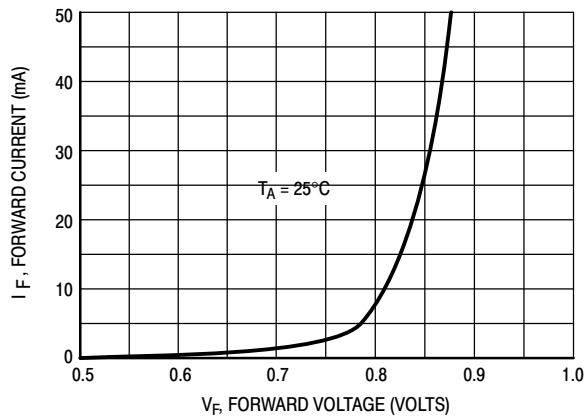


Figure 2. Forward Voltage

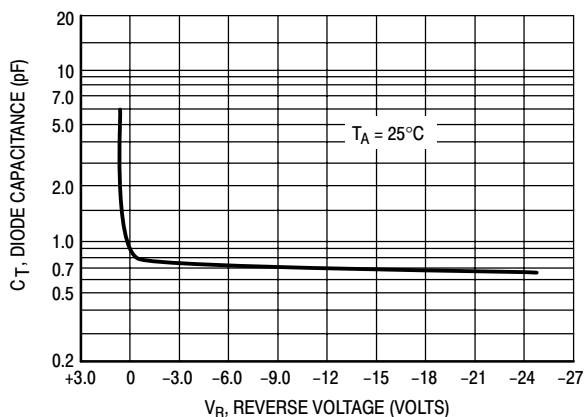


Figure 3. Diode Capacitance

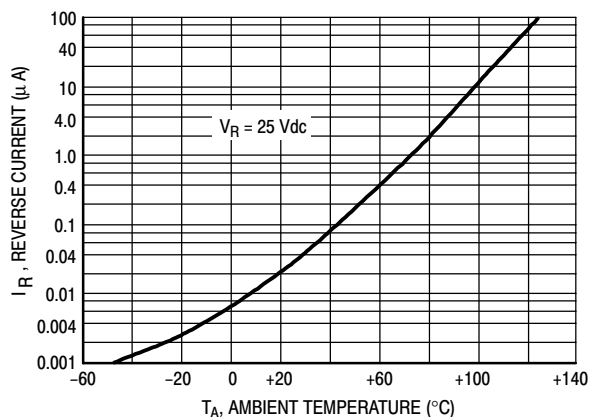


Figure 4. Leakage Current