



### FEATURES

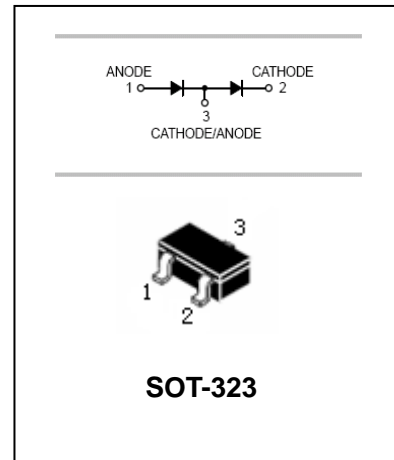
- Very low capacitance-less than 1.0Pf  
@zero volts.
- Low forward voltage-0.5 Voltage(Typ.)  
@I<sub>F</sub>=10mA.

### APPLICATIONS

- For UHF mixer applications.

### ORDERING INFORMATION

Type No.	Marking	Package Code
MMBD352W	M5	SOT-323



### MAXIMUM RATING @ Ta=25°C unless otherwise specified

Parameter	Symbol	Limits	Unit
Continuous reverse voltage	V <sub>R</sub>	7.0	V
Power Dissipation	P <sub>d</sub>	200	mW
Thermal resistance junction-to-ambient	R <sub>θJA</sub>	625	
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature range	T <sub>stg</sub>	-55 to +150	°C

### ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Parameter	Symbol	Test conditions	MIN	Typ.	MAX	UNIT
Reverse current	I <sub>R</sub>	V <sub>R</sub> =3V V <sub>R</sub> =7V			0.25 10	μA
Forward voltage	V <sub>F</sub>	I <sub>F</sub> =10mA			0.60	V
Diode capacitance	C <sub>D</sub>	V <sub>R</sub> =0V, f=1MHz			1.0	pF



### TYPICAL CHARACTERISTICS @ $T_A=25^\circ\text{C}$ unless otherwise specified

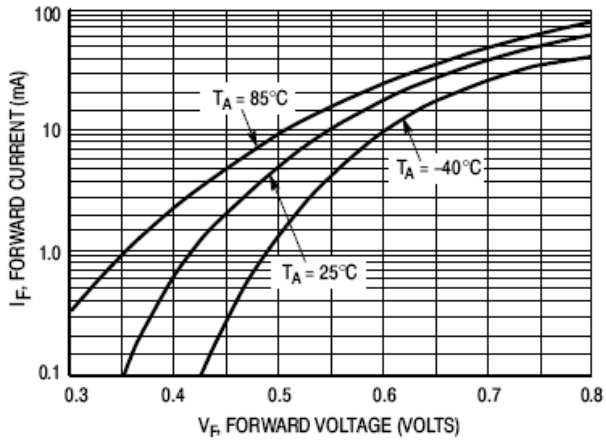


Figure 1. Forward Voltage

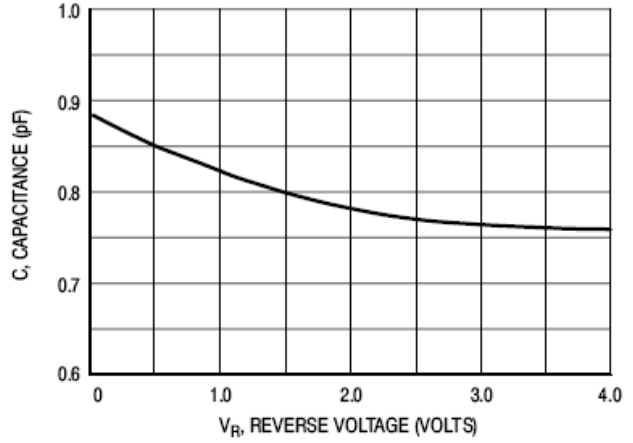


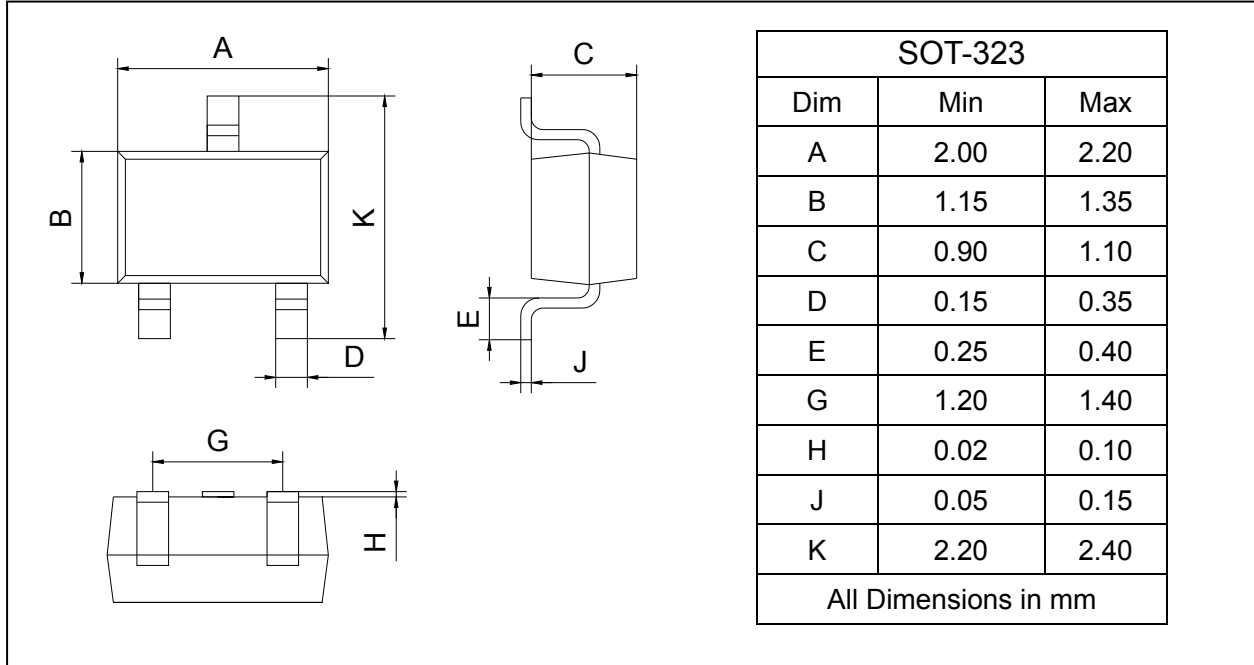
Figure 2. Capacitance



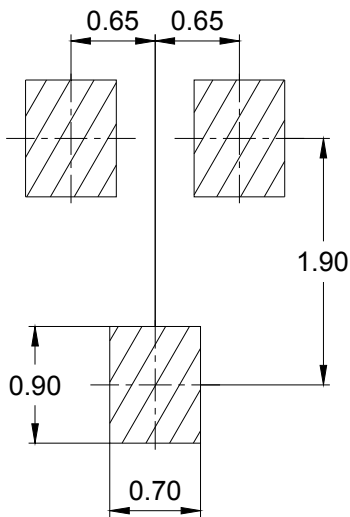
### PACKAGE OUTLINE

Plastic surface mounted package

SOT-323



### SOLDERING FOOTPRINT



### PACKAGE INFORMATION

Device	Package	Shipping
MMBD352W	SOT-323	3000/Tape&Reel