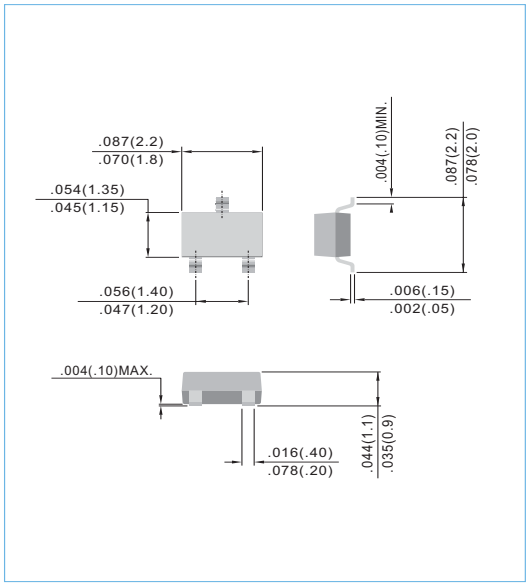
MMBD101W/MMBD352W/MMBD353W/MMBD354W/ MMBD355W

SURFACE MOUNT HIGH FREQUENCY SCHOTTKY DIODE

VOLTAGE 7.0 Volts **POWER** 200 mW

SOT-323 Unit: inch (mm)



FEATURES

- Low Capacitance,Minimizing Insertion Losses in VHF Applications
- Low V_F : 0.5V (Typ) at I_F=10mA
- Extremely Fast Switching Speed
- Pb free product are available : 99% Sn above can meet RoHS environment substance directive request

MECHANICAL DATA

Case : SOT-323, Plastic

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

Approx weight : 0.008 gram

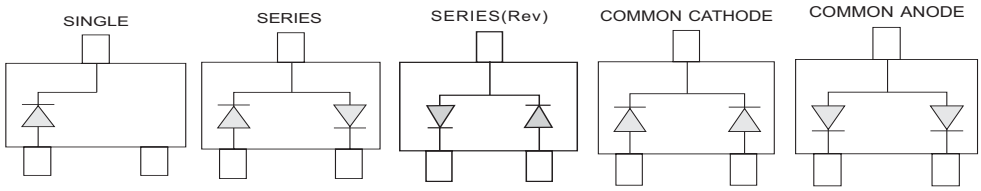
MAXIMUM RATINGS

PARAMETER	SYMBOL	MMBD101W	MMBD352W	MMBD353W	MMBD354W	MMBD355W	UNITS
Marking Code		101	352	353	354	355	
Reverse Voltage	V_R	7					V
Forward Power Dissipation	P_F	200					mW
Junction Temperature Range	T_J	-55 to 125					°C
Storage Temperature Range	T_{STG}	-55 to 150					°C
Circuit Figure		SINGLE	SERIES	SERIES (Rev)	COMMON CATHODE	COMMON ANODE	

THERMAL CHARACTERISTICS

PARAMETER	SYMBOL	VALUE	UNITS
Thermal Resistance , Junction to Ambient (1)	$R\theta_{JA}$	500	°C/W

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



MMBD101W/MMBD352W/MMBD353W/MMBD354W/ MMBD355W

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	7.0	10	-	V
Reverse Leakage Current	I_R	V_R=3.0V	-	-	0.25	μA
Forward Voltage	V_F	I_F=10mA	-	0.5	0.6	V
Total Capacitance	C_T	f=1.0MHz ; V_R=0V	-	0.88	1.0	pF

ELECTRICAL CHARACTERISTICS CURVE

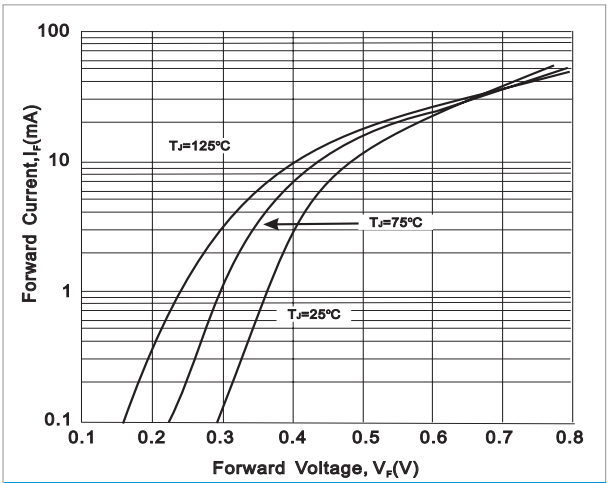


Fig.1-Typical Forward Characteristics

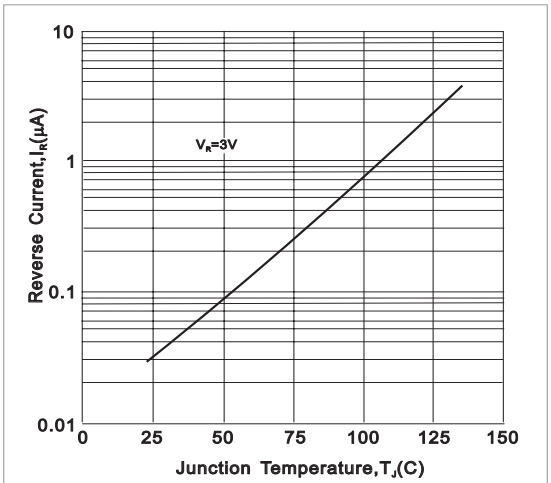


Fig.2-Typical Reverse Characteristics

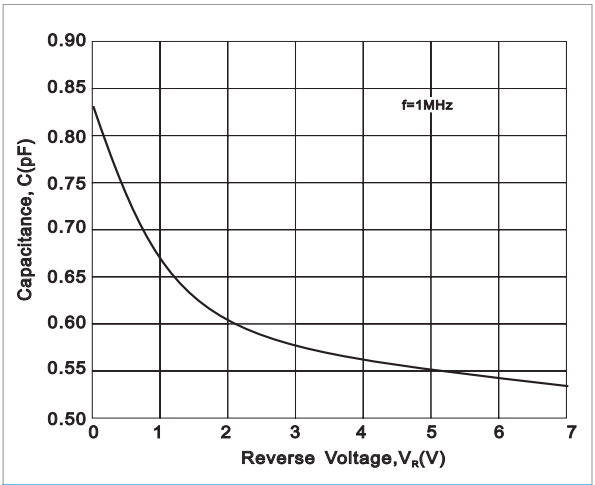
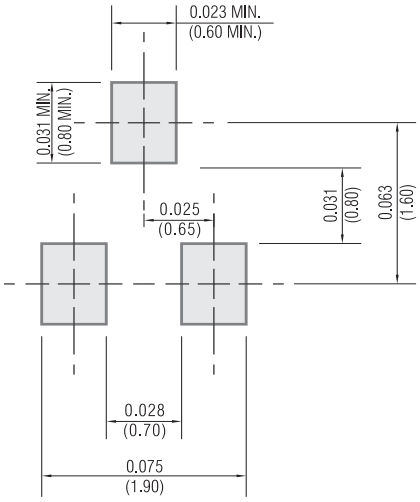


Fig.3-Typical Total Capacitance

MMBD101W/MMBD352W/MMBD353W/MMBD354W/ MMBD355W

MOUNTING PAD LAYOUT

SOT-323 Unit: inch (mm)



ORDER INFORMATION

- Packing information

  T/R - 12K per 13" plastic Reel

  T/R - 3K per 7" plastic Reel

LEGAL STATEMENT

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