

SURFACE MOUNT SCHOTTKY DIODES

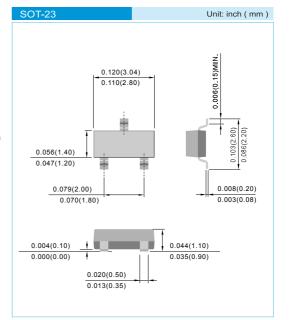
VOLTAGE 20 Volts CURRENT 200 mA

FEATURES

- Very Low VF: 0.32V (Typ) at IF = 1mA
- Low Capacitance: 2.5 pF (Max) at VR=0V
- Extremely Fast Switching Speed
- · Lead free in comply with EU RoHS 2002/95/EC directives.
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

- · Case: SOT-23, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.0084 gram



MAXIMUM RATINGS AND ELECTRICAL AHARACTERISTICS

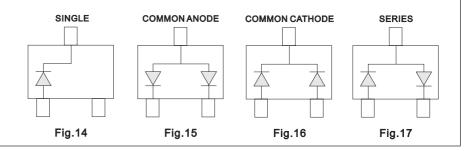
Ratings at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%

PARAMETER	Symbol	MMBD717	MMBD717A	MMBD717C	MMBD717S	Units
Marking Code	-	P70	P72	P73	P74	-
Maximum Reverse Voltage	V _R	20				V
Peak Reverse Voltage	V _{RRM}	20				V
Maximum Forward Current	I _F	0.2				А
Power Dissipation (Note 1)	P _{TOT}	200			mW	
Thermal Resistance, Junction to Ambient	R _{eja}	556				°C/W
Junction Temperature	Tj	-55 to 150				°C
Storage Temperature at Temp=25°C	T _{stg}	-55 to 150				°C
Circuit Figure	-	SINGLE	COMMON ANODE	COMMON CATHODE	SERIES	-

Note:

1. FR-4 Board = 70 x 60 x 1mm.

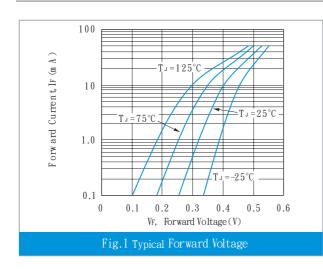


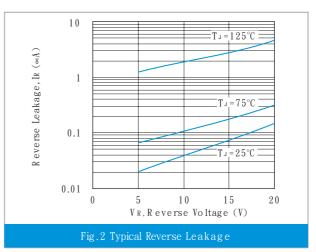


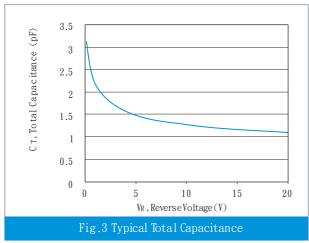
ELECTRICAL CHARACTERISTICS (each diode) (T₁ = 25°C unless otherwise noted)

Parameter	Symbol	Test Condition	Min.	Тур.	Max.	Units
Reverse Breakdown Voltage	V _(BR)	I _R =10∝A	20	-	-	V
Reverse Leakage Current	l _R	V _R =10V	-	-	1.0	∝A
Forword Voltage	V _F	I _F =1.0mA	-	-	0.37	V
Total Capacitance	C」	V _R =1V, f=1.0MHz	-	-	2.5	pF

ELECTRICAL CHARACTERISTICS CURVE

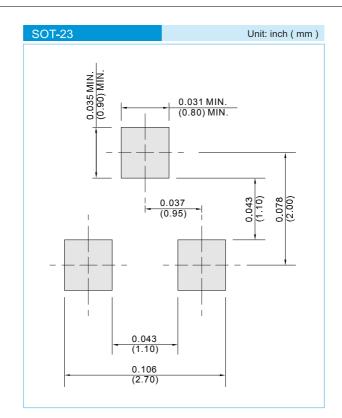








MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information
T/R - 12K per 13" plastic Reel
T/R - 3K per 7" plastic Reel



SEMI CONDUCTOR	
MMBD717 SERIES	
Part No_packing code_Version MMBD717_R1_00001 MMBD717_R2_00001	
For example :	

For example RB500V-40_R2_00001



Packing Code XX				Version Code XXXXX			
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code	
Tape and Ammunition Box (T/B)	Α	N/A	0	HF	0	serial number	
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number	
Bulk Packing (B/P)	В	13"	2				
Tube Packing (T/P)	т	26mm	X				
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y				
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U				
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D				

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