

Unit : inch(mm)

0.010(0.25)

018(045)006(015)

0.010(0.25)

00)

10)

0.044(1.1 MAX

040(1

0

0.004(0.10

0.087(2.20)

047(1.20

0.012(0.30) 0.005(0.15)

MMBD4448TW

SURFACE MOUNT SWITCHING DIODES SOT-363 POWER VOLTAGE 100 Volt 200mWatt **FEATURES** Fast switching Speed 0.030(0.75 · Electrically Identical to Standerd JEDEC High Conductance Surface Mount Package Ideally Suited for Automatic Insertion 0.054(1.35) · Lead free in compliance with EU RoHS 2011/65/EU directive • Green molding compound as per IEC61249 Std. . (Halogen Free) **MECHANICAL DATA** • Case: SOT-363 plastic case. • Terminals : Solderable per MIL-STD-750, Method 2026 6 5 4 0.004(0.10) · Standard packaging: 8mm tape 0.000(0.00) • Weight: approximately 0.0002 ounces, 0.006 grams 本 本 本 1 2 3 Fig.48

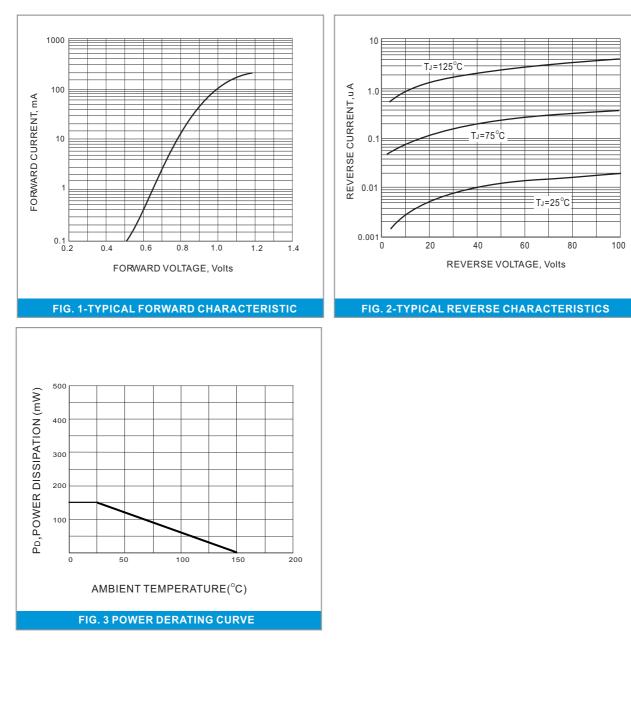
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (TJ = 25°C unless otherwise noted)

PARAMETER	SYMBOL	MMBD4448TW	UNITS
Reverse Voltage	Vr	75	V
Peak Reverse Voltage	Vrm	100	V
RMS Voltage	Vrms	50	V
Maximum DC Blocking Voltage	VDC	75	V
Maximum Average Forward Current at T _A =25°C	I AV	150	mA
Peak Forward Surge Current, 1.0us	IFSM	4	A
Power Dissipation Derate Above 25°C	PD	200	mW
Maximum Forward Voltage	VF	0.72 / 0.005A 1.0 / 0.1A	V
Maximum DC Reverse Current at Rated DC Blocking Voltage TJ= 25°C	l r	2.5@75V	μA
Junction Capacitance(Note1)	Сл	4.0	рF
Maximum Reverse Recovery (Note2)	Trr	4.0	ns
Typical Thermal Resistance	Rθja	625	°C / W
Storage Temperature Range	TJ	-55 to +150	°C

NOTE:

1. CJ at VR=0, f=1MHZ

2. From IF=10mA to IR=1mA, VR=6Volts, RL=100 Ω

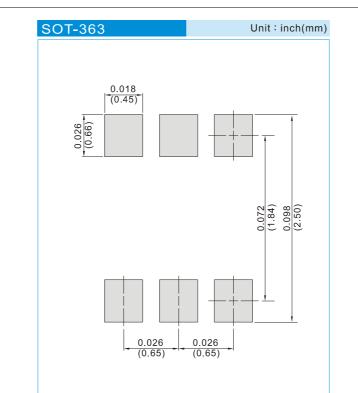








MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information
T/R - 10K per 13" plastic Reel
T/R - 3K per 7" plastic Reel





Part No_packing code_Version

MMBD4448TW_R1_00001 MMBD4448TW_R2_00001

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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