

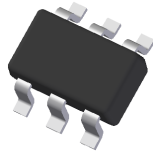
# MMBZ5245BTS-7-F

## Features

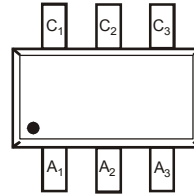
- Three Isolated Zeners in Ultra-Small Surface Mount Package
- Ideally Suited for Automated Assembly Processes
- **Totally Lead-Free & Fully RoHS Compliant (Notes 1 & 2)**
- **Halogen and Antimony Free. “Green” Device (Note 3)**
- **Qualified to AEC-Q101 Standards for High Reliability**

## Mechanical Data

- Case: SOT363
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0
- Moisture Sensitivity: Level 1 per J-STD-020D
- Terminals: Solderable per MIL-STD-202, Method 208 (e3)
- Lead Free Plating (Matte Tin Finish annealed over Alloy 42 leadframe).
- Orientation: See Diagram
- Weight: 0.006 grams (approximate)



Top View

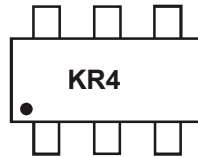


Package Pin Configuration

## Ordering Information (Note 4)

Device	Packaging	Shipping
MMBZ5245BTS-7-F	SOT363	3000/Tape & Reel

## Marking Information



## Maximum Ratings (@T<sub>A</sub> = +25°C, unless otherwise specified.)

Characteristic	Symbol	Value	Unit
Forward Voltage (Note 5) @ I <sub>F</sub> = 10mA	V <sub>F</sub>	0.9	V

Note: 5. Short duration pulse test used to minimize self-heating effect.

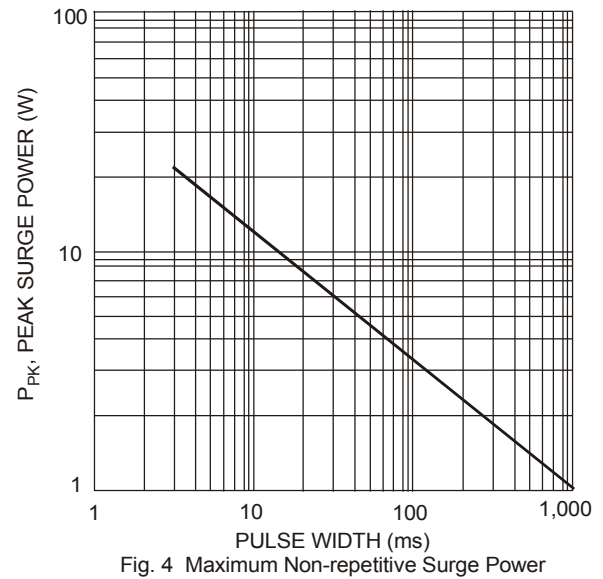
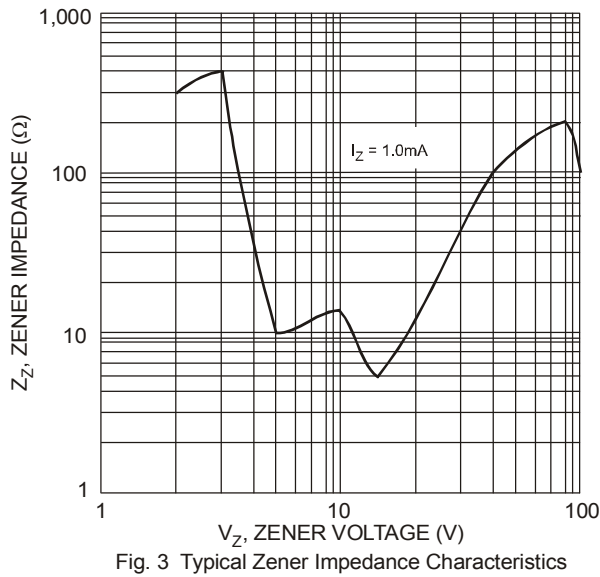
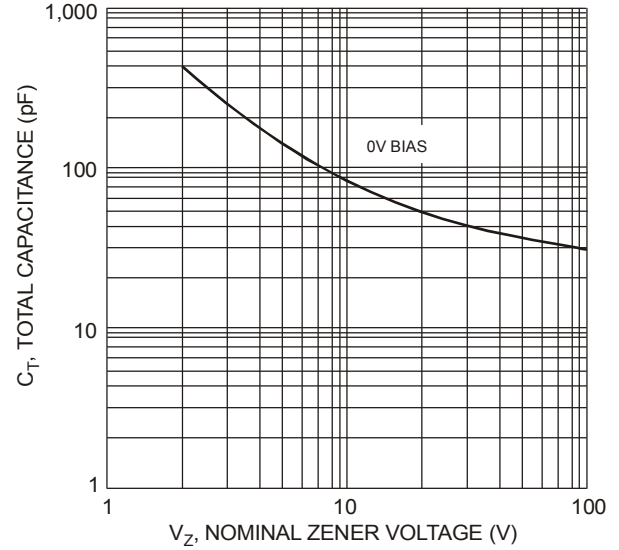
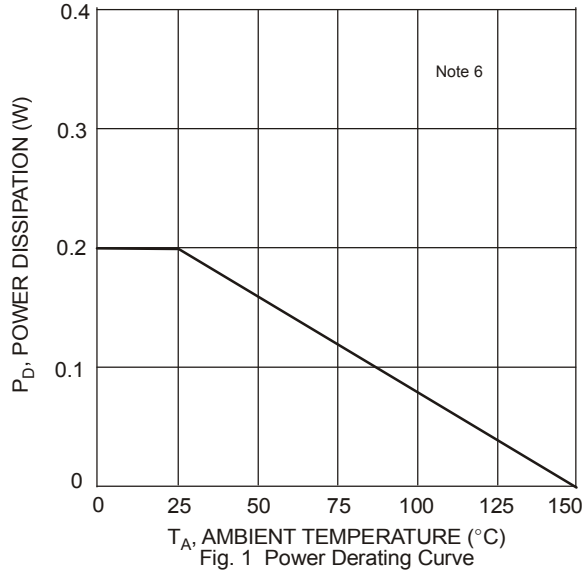
## Thermal Characteristics

Characteristic	Symbol	Value	Unit
Power Dissipation (Note 6)	P <sub>D</sub>	200	mW
Thermal Resistance, Junction to Ambient Air (Note 6)	R <sub>θJA</sub>	625	°C/W
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-65 to +150	°C

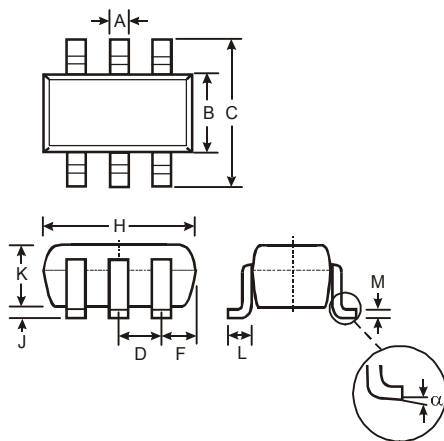
## Electrical Characteristics (@T<sub>A</sub> = +25°C, unless otherwise specified.)

Type Number	Zener Voltage Range (Note 7)				Maximum Zener Impedance (Note 8)		Maximum Reverse Leakage Current (Note 7)	
	V <sub>Z</sub> @ I <sub>ZT</sub>			I <sub>ZT</sub>	Z <sub>ZT</sub> @ I <sub>ZT</sub>	Z <sub>ZK</sub> @ I <sub>ZK</sub> = 0.25mA	I <sub>R</sub>	@ V <sub>R</sub>
	Nom (V)	Min (V)	Max (V)	mA	Ω		μA	V
MMBZ5245BTS-7-F	15	14.25	15.75	8.5	16	600	0.1	11

# MMBZ5245BTS-7-F



## Package Outline Dimensions



SOT363			
Dim	Min	Max	Typ
<b>A</b>	0.10	0.30	0.25
<b>B</b>	1.15	1.35	1.30
<b>C</b>	2.00	2.20	2.10
<b>D</b>	0.65 Typ		
<b>F</b>	0.40	0.45	0.425
<b>H</b>	1.80	2.20	2.15
<b>J</b>	0	0.10	0.05
<b>K</b>	0.90	1.00	1.00
<b>L</b>	0.25	0.40	0.30
<b>M</b>	0.10	0.22	0.11
$\alpha$	0 $^{\circ}$	8 $^{\circ}$	-
All Dimensions in mm			

单击下面可查看定价，库存，交付和生命周期等信息

[>>YONGYUTAI\(永裕泰\)](#)