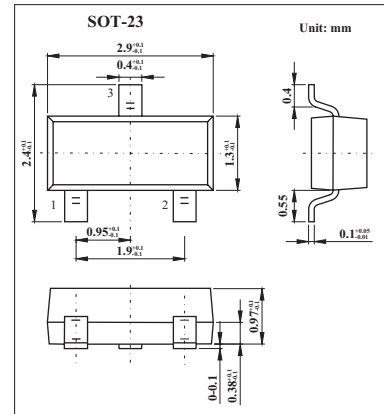
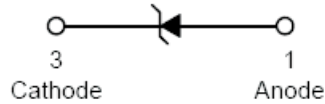


# MMBZ5243B

## ■ Features

- Planar Die Construction
- General Purpose, Medium Current
- Ideally Suited for Automated Assembly Processes



## ■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Forward Voltage @ IF = 10mA	VF	0.9	V
Power Dissipation *1	Pd	350	mW
Thermal Resistance, Junction to Ambient Air *1	RθJA	357	°C/W
Operating and Storage Temperature Range	Tj, TSTG	-65 to +150	°C

\*1. Part mounted on FR-4 PC board with recommended pad layout

## ■ Electrical Characteristics @TA=25°C unless otherwise specified

Type Number	Zener Voltage Range *1				Maximum Zener Impedance *2		Maximum Reverse Leakage Current *1	
	Vz @ IZT			IZT mA	ZZT @ IZT Ω	ZZK @ IZK= 0.25mA Ω	IR μA	@ VR V
	Nom (V)	Min (V)	Max (V)					
MMBZ5243B	13	12.35	13.65	9.5	13	600	0.5	9.9

\*1. Short duration test pulse used to minimize self-heating effect.

\*2. f = 1KHz.

## ■ Marking

Marking	KH3
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# MMBZ5243B

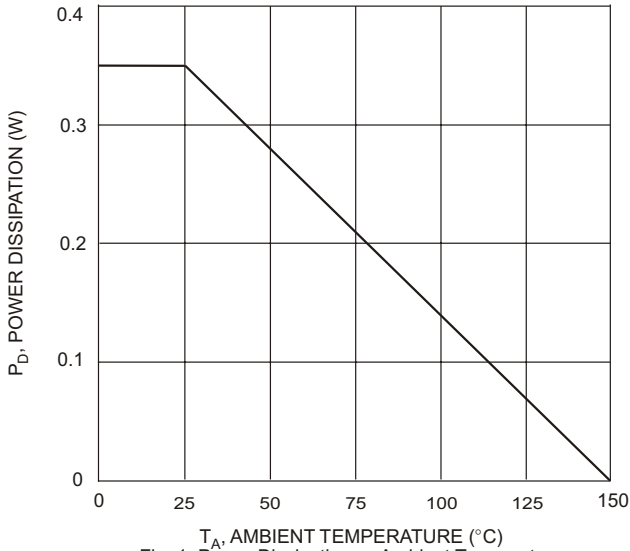


Fig. 1 Power Dissipation vs Ambient Temperature

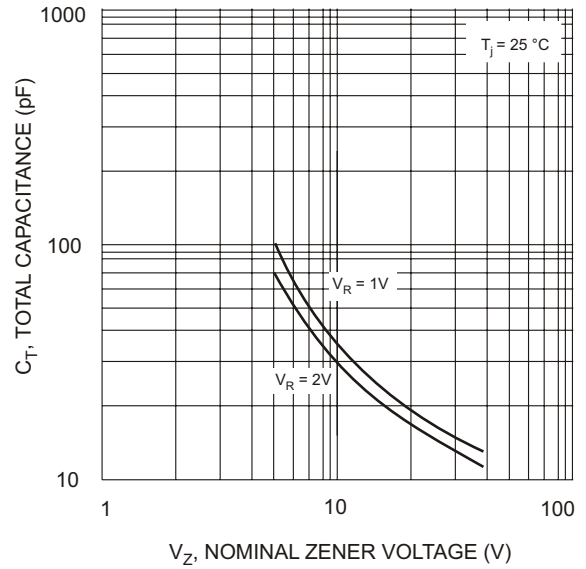


Fig. 2 Total Capacitance vs Nominal Zener Voltage

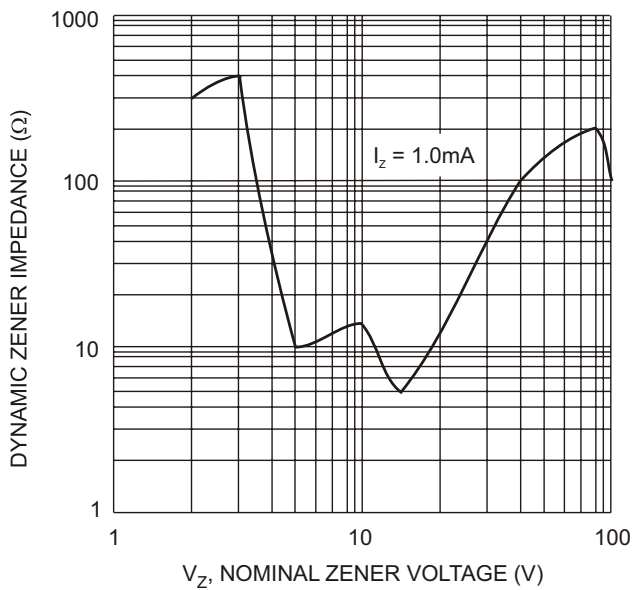


Fig. 3 Zener Voltage vs. Zener Impedance

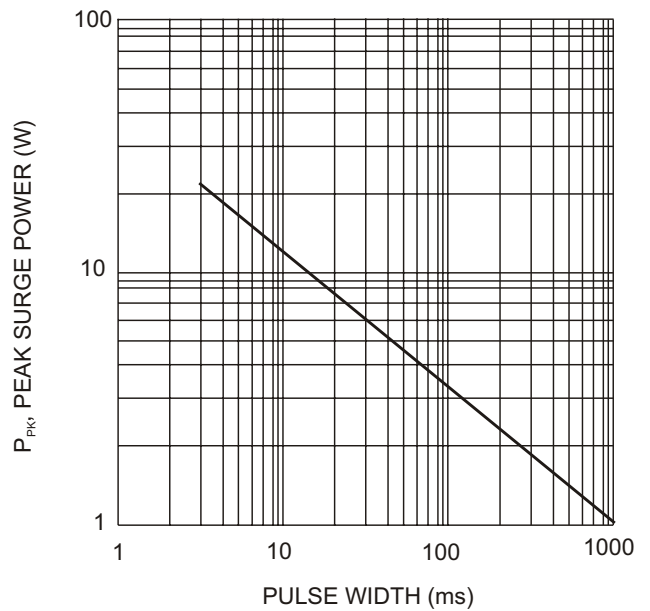


Fig. 4 Maximum Non-repetitive Surge Power

# MMBZ5243B

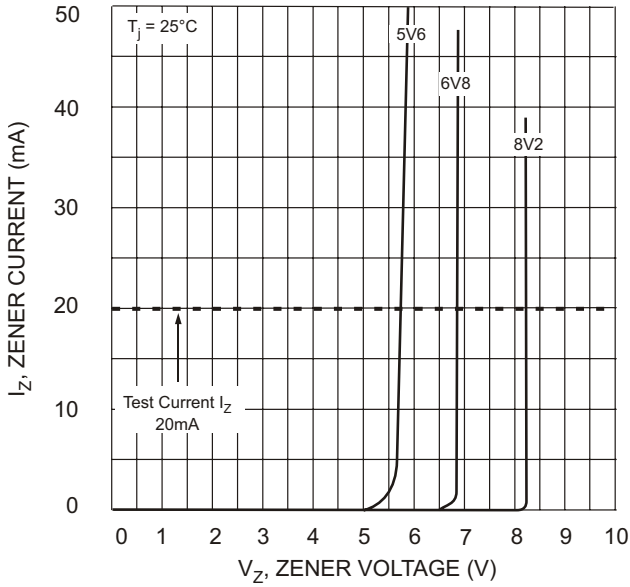


Fig. 5 Zener Breakdown Characteristics

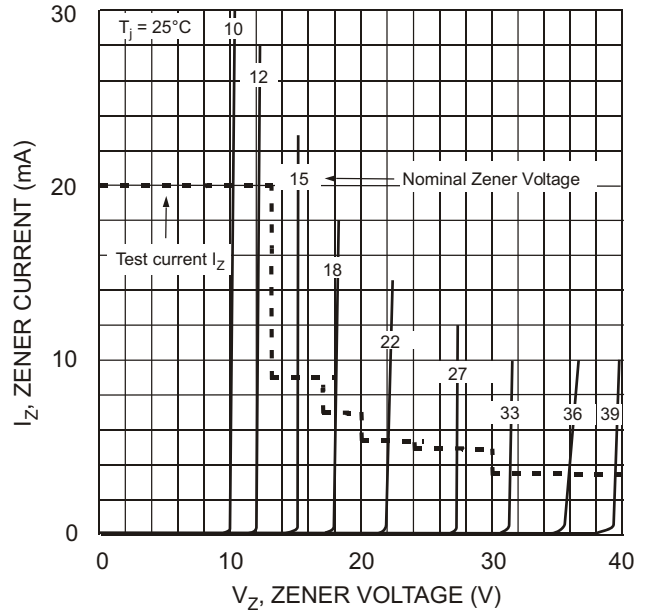


Fig. 6 Zener Breakdown Characteristics