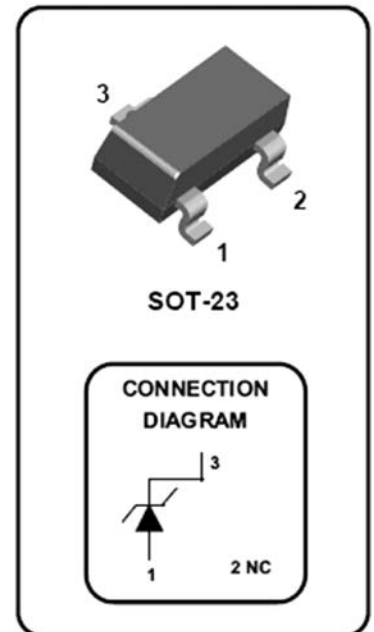


# Surface Mount Zener Diode



## Features:

- Planar Die Construction
- 350mW Power Dissipation
- General Purpose, Medium Current
- Ideally Suited For Automated Assembly Processes

## Application:

350mW Surface mount zener diode

## Maximum Rating @ TA = 25°C unless otherwise specified

Characteristic	Symbol	Value	Unit
Forward voltage @ $I_F = 10\text{mA}$	$V_F$	0.9	V
Power dissipation	$P_D$	350	mW
Thermal resistance, junction to ambient air	$R_{\theta JA}$	357	°C/W
Operating and storage temperature range	$T_j, T_{stg}$	-65 to +150	°C

**Note :** Valid provided that device terminals are kept at ambient temperature.  
Tested with pulses,  $T_p \leq 1\text{ms}$ .

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

Type Number	Marking Code	Zener Voltage Range				Maximum Zener Impedance		Maximum Reverse Leakage Current	
		$V_z @ I_{ZT}$			$I_{ZT}$	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK} = 0.25\text{mA}$	$I_R$	@ $V_R$
		Nom(V)	Min(V)	Max(V)	(mA)	( $\Omega$ )		( $\mu\text{A}$ )	(V)
MMBZ5236B	KF1	7.5	7.13	7.88	20	6	500	3	6

# Surface Mount Zener Diode



Typical Characteristics @  $T_A = 25^\circ\text{C}$  unless otherwise specified

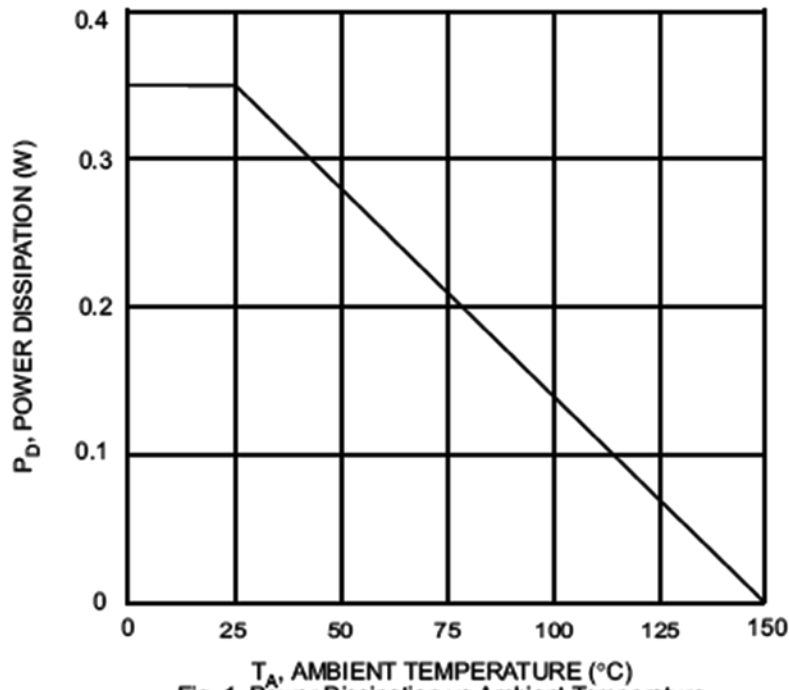
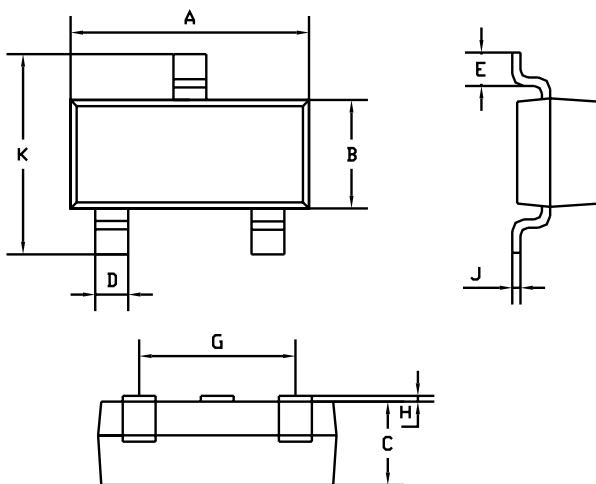


Fig. 1 Power Dissipation vs Ambient Temperature

## Package Outline

Plastic surface mounted package



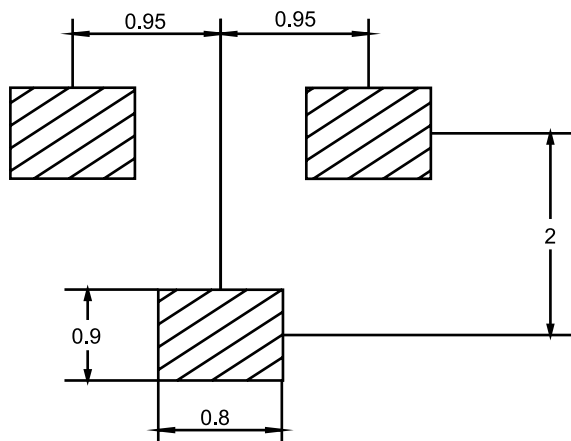
SOT-23		
Dim	Min	Max
A	2.85	2.95
B	1.25	1.35
C	1 Typical	
D	0.37	0.43
E	0.35	0.48
G	1.85	1.95
H	0.02	0.1
J	0.1 Typical	
K	2.35	2.45
All Dimensions in mm		



# Surface Mount Zener Diode



## Soldering Footprint



Dimensions : Millimetres

## Package Information

Device	Package	Shipping
MMBZ5236B-7-F	SOT-23	3,000/Tape & Reel

## Part Number Table

Description	Part Number
350mW Surface Mount Zener Diode	MMBZ5236B-7-F

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