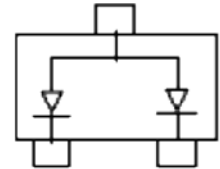


# Dual Surface Mount Zener Diode



SOT-23

## Features:

- SOT-23 Surface Mount Package
- 300mW Power Dissipation Rating
- Ideally Suited for Automatic Insertion
- $\Delta V_Z$  for Both Diodes In One Case Is  $\leq 5\%$
- Common Cathode Style Available See DZ Series

## Absolute Maximum Rating:

$T_A = 25^\circ\text{C}$  unless otherwise specified.

Parameter	Test Conditions	Symbol	Value	Unit
Power dissipation	On fibre glass substrate	$P_D$	300	mW
Junction and storage temperature range	-	$T_j, T_{stg}$	-55 to +150	$^\circ\text{C}$

## Maximum Thermal Resistance:

$T_j = 25^\circ\text{C}$ .

Parameter	Test Conditions	Symbol	Value	Unit
Junction ambient	On fibre glass substrate	$R_{thJA}$	420	k/W

## Maximum Thermal Resistance:

$T_j = 25^\circ\text{C}$ .

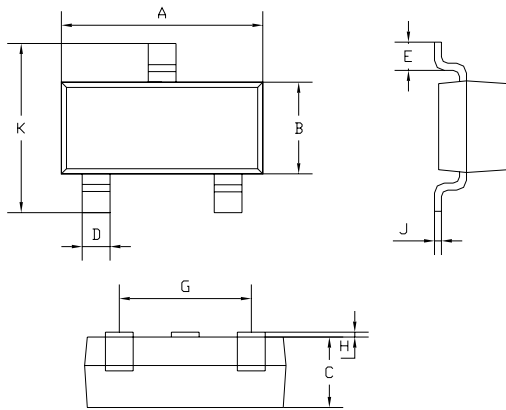
Part Number	Marking Code	$V_Z$	$Z_{ZT}$	$Z_{ZK}$	$T_C$	$V_R$
		V	$\Omega$	$\Omega$	$\%/^\circ\text{C}$	V
		@ $I_{ZT}=5\text{mA}$	@ $I_{ZT}=5\text{mA}$	@ $I_{ZT}=1\text{mA}$		@ $I_R=0.1\mu\text{A}$
AZ23C3V9-7-F	KD5	3.7 to 4.1	95	500	-0.05	-

# Dual Surface Mount Zener Diode



## Package Outline:

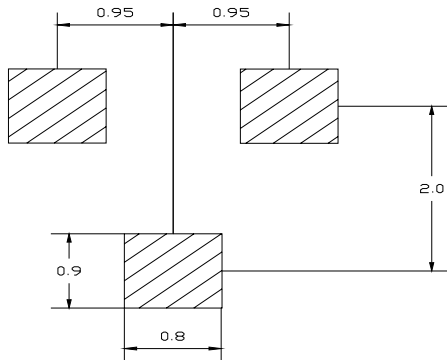
Plastic surface mounted package



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

Dimensions : Millimetres

## Soldering Footprint:



Dimensions : Millimetres

## Package Information:

Device	Package	Shipping
AZ23C3V9-7-F	SOT-23	3,000 / Tape & Reel

## Part Number Table

Description	Part Number
300mW Dual Surface Mount Zener Diode	AZ23C3V9-7-F

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