

Dual zener diodes

BZ5239CAN3/BZ5239CCN3

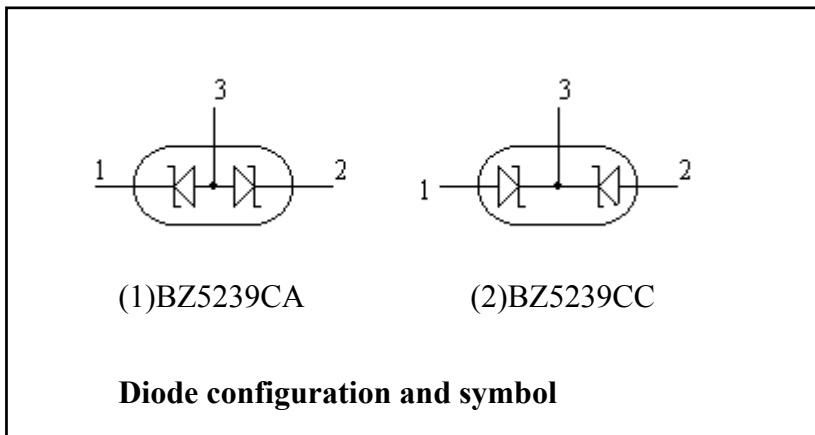
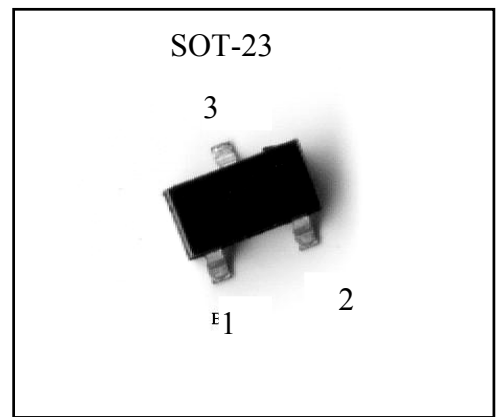
Description

Two ZD5239 diodes are encapsulated in a SOT-23 small plastic SMD package. Two different pinnings are available.

Pinning

Pin	Description	
	BZ5239CA	BZ5239CC
1	K1	A1
2	K2	A2
3	A1,A2	K1,K2

Outline



Marking:

Type	Marking Code
BZ5239CAN3	29A
BZ5239CCN3	29C

Thermal Characteristics

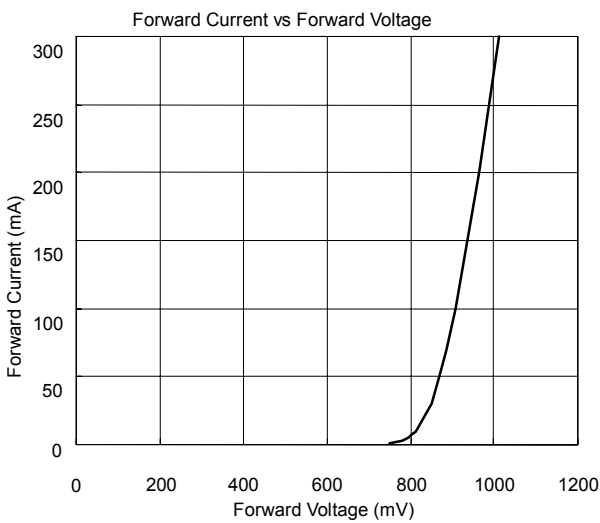
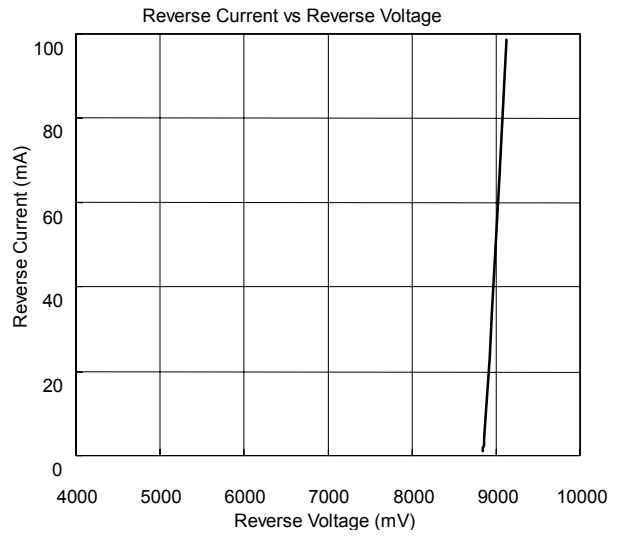
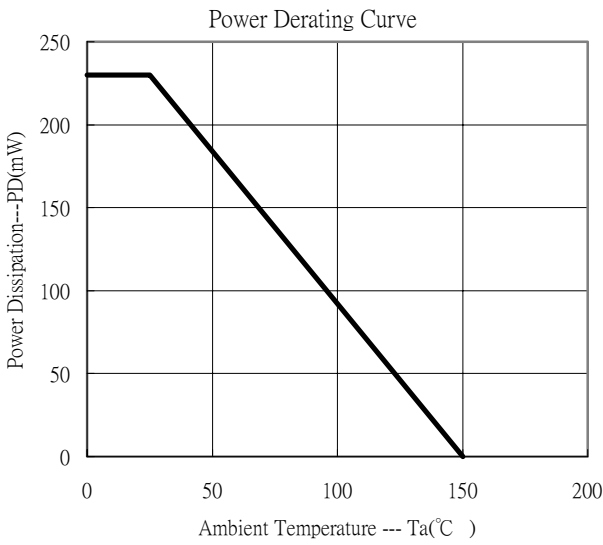
- Maximum Temperatures
 - Storage Temperature Tstg -55~+150 °C
 - Junction Temperature Tj +150 °C
- Maximum Power Dissipation
 - Total Power Dissipation (Ta=25°C) Ptot 230 mW
- Thermal Resistance, Junction to Ambient θJA.....543 °C/W



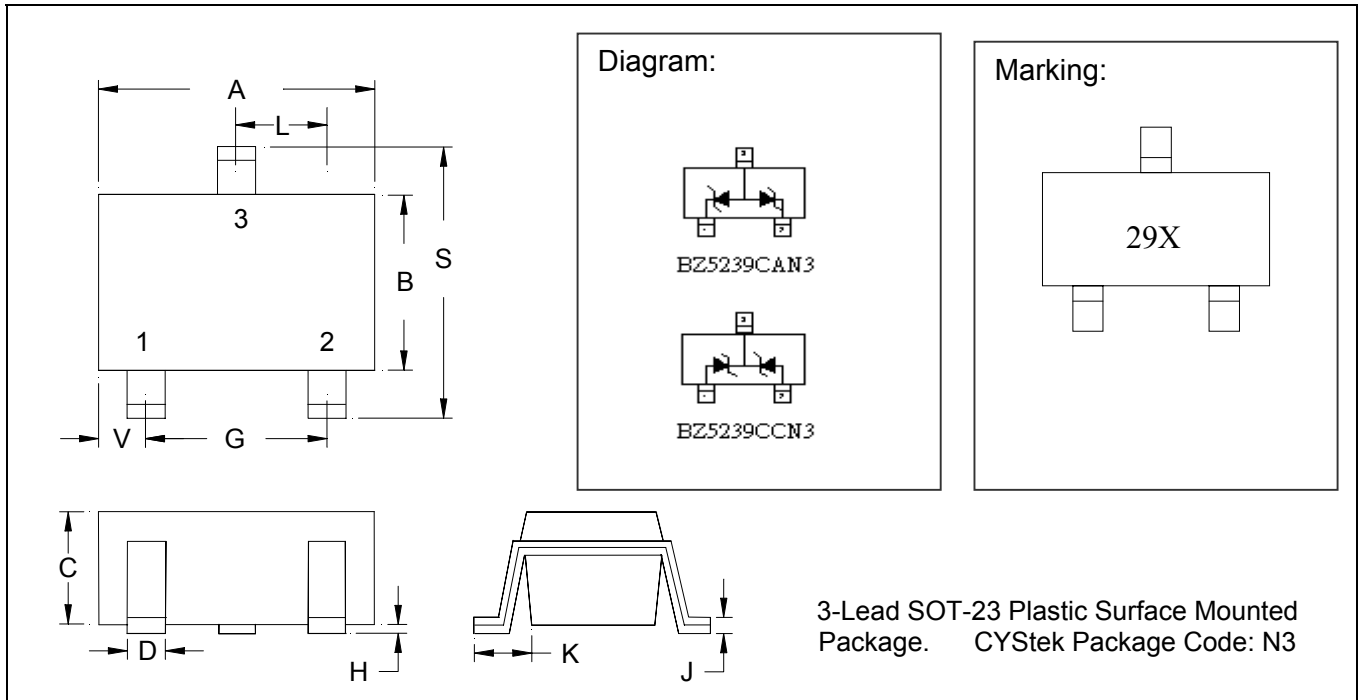
Electrical Characteristic ($V_F=0.9V$ Max @ $I_F=10mA$.)

Test Current $I_{ZT}(mA)$	Zener Voltage $V_Z(V)$	Z_{ZK} $I_Z=0.25mA$ (Ω , max)	Z_{ZT} $I_Z=I_{ZT}$ (Ω , max)	Maximum Reverse Current	
				$I_R(\mu A)$	$V_R(V)$
20	$9.1 \pm 5\%$	600	10	3.0	7.0

Characteristic Curves



SOT-23 Dimension



- BZ5239CAN3: Common Anode. (Marking Code : 29A)
- BZ5239CCN3: Common Cathode. (Marking Code : 29C)

*: Typical

DIM	Inches		Millimeters		DIM	Inches		Millimeters	
	Min.	Max.	Min.	Max.		Min.	Max.	Min.	Max.
A	0.1102	0.1204	2.80	3.04	J	0.0034	0.0070	0.85	0.177
B	0.0472	0.0630	1.20	1.60	K	0.0128	0.0266	0.32	0.67
C	0.0335	0.0512	0.89	1.30	L	0.0335	0.0453	0.85	1.15
D	0.0118	0.0197	0.30	0.50	S	0.0830	0.1083	2.10	2.75
G	0.0669	0.0910	1.70	2.30	V	0.0098	0.0256	0.25	0.65
H	0.0005	0.0040	0.013	0.10					

Notes: 1.Controlling dimension: millimeters.
 2.Maximum lead thickness includes lead finish thickness, and minimum lead thickness is the minimum thickness of base material.
 3.If there is any question with packing specification or packing method, please contact your local CYStek sales office.

Material:

- Lead: 42 Alloy; solder plating
- Mold Compound: Epoxy resin family, flammability solid burning class: UL94V-0

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