

# BZX84C91DS

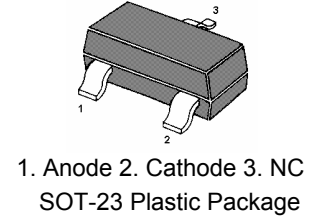
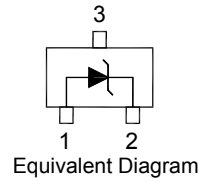
## Silicon Planar Zener Diodes

### Features

- Package designed for optimal automated board assembly
- Small package size for high density applications

### Description

The pin-3 of this device can not be applied to circuit.



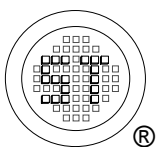
### Absolute Maximum Ratings ( $T_a = 25\text{ }^\circ\text{C}$ )

Parameter	Symbol	Value	Unit
Power Dissipation	$P_D$	350	mW
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	357	$^\circ\text{C/W}$
Junction Temperature	$T_j$	150	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	- 55 to + 150	$^\circ\text{C}$

### Electrical Characteristics $T_a = 25\text{ }^\circ\text{C}$ ( $V_F < 1.8\text{ V}$ at $I_F = 10\text{ mA}$ )

Type	Marking Code	Zener Voltage Range <sup>1)</sup>			Dynamic Resistance		Reverse Current	
		$V_{ZT}$		at $I_{ZT}$	$Z_{ZT}$	at $I_{ZT}$	$I_R$	at $V_R$
		Min. (V)	Max. (V)	(mA)	Max. ( $\Omega$ )	(mA)	Max. ( $\mu\text{A}$ )	at $V_R$ (V)
BZX84C91DS	91V	85	96	1	450	1	0.1	68

<sup>1)</sup> Tested with pulses  $t_p = 20\text{ ms}$ .



## SEMTECH ELECTRONICS LTD.

(Subsidiary of Sino-Tech International Holdings Limited, a company listed on the Hong Kong Stock Exchange, Stock Code: 724)

