



BZT52C2V0S

Zener Diodes

Features

- High reliability
- Very sharp reverse characteristic
- Low reverse current level
- Zener Voltage 2.0V

- **Package:** SOD-323
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end

■ Maximum Ratings ($T_a=25^\circ\text{C}$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	VALUE
Power Dissipation (*Note)	P_D	mW	300
Storage Temperature Range	T_{stg}	$^\circ\text{C}$	-55~+150
Junction Temperature	T_J	$^\circ\text{C}$	-55~+150
Maximum Regulator Current	I_{ZM}	mA	P_D / V_Z
Maximum Forward Voltage $I_F=10\text{mA}_{dc}$	V_F	V	0.9
Thermal Resistance Junction to Ambient Air(*Note)	$R_{\theta JA}$	$^\circ\text{C/W}$	417

Note: Device mounted on PCB

■ Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BZT52C2V0S	F2	Approximate 0.0048	3000	30000	120000	7" reel

■ Electrical Characteristics ($T_a=25^\circ\text{C}$ Unless otherwise specified)

Type Number	Device Marking	V_Z at $I_Z T$ (V)*1			$Z_{zt}(\Omega)^{*2}$		$Z_{zk}(\Omega)^{*2}$		$I_R(\mu A)@V_R$	
		min.	typ.	max.	$I_{zt}(\text{mA})$	max.	$I_{zk}(\text{mA})$	max.	max	

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