



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°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	VALUE
Power Dissipation (*Note)	P _D	mW	300
Storage Temperature Range	T _{stg}	°C	-55~+150
Junction Temperature	T _J	°C	-55~+150
Maximum Regulator Current	I _{ZM}	mA	P _D /V _Z
Maximum Forward Voltage I _F =10mA _{dc}	V _F	V	0.9
Thermal Resistance Junction to Ambient Air(*Note)	R _{JA}	°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°C Unless otherwise specified)

Type Number	Device Marking	V _Z at I _{ZT} (V)*1			Z _{zt} (Ω)*2		Z _{zk} (Ω)*2		I _R (μA)@V _R	
		min.	typ.	max.	I _{ZT} (mA)	max.	I _{ZK} (mA)	max.	max	

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