

Small Signal Zener Diode



SOT-23

Features

- Epoxy meets UL-94 V-0 flammability rating and halogen free
- Moisture Sensitivity Level 1
- Zener Voltage 2.4V~47V
- V_z -tolerance for both diodes in one case is 5%
- Part no. with suffix "Q" means AEC-Q101 qualified

Applications

- General regulation functions

Mechanical Data

Case: SOT-23

Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Limiting Values (Absolute Maximum Rating, $T_a=25$ Unless otherwise specified)

Characteristic	Symbol	Value	Units
Power Dissipation	$P_{D[1]}$	300	mW
Maximum Forward Voltage $I_F=10mA$	V_F	0.9	V
Maximum Regulator Current	$I_{ZM[1]}$	P_D / V_z	mA
Thermal Resistance from Junction to Ambient	R_{JA}	417	/W
Storage Temperature Range	T_{STG}	-55~+150	
Operation Temperature	T_J	-55~+150	

[1] Single diode loaded

Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
DZ23C2V4Q THRU DZ23C47Q	F2	Approximate 0.01	3000	30000	120000	7" reel



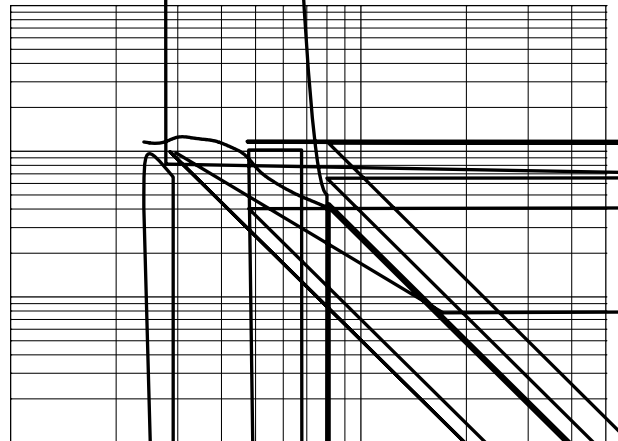
DZ23C2V4Q THRU DZ23C47Q

Electrical Characteristics $T_a=25$ Unless otherwise specified

Type Number	Device Marking	V_z at I_{zt} (V)	I_{zt}	Z_{zt} ()	Z_{zk} ()	$I_R(\mu A)@V_R$	Typical Temperature Coefficient@ I
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' = & 9 4 7 + 5 8 ' = & 4

v & KDUDFWWHZLSVWDLΘV



6 6
5HY

'HF

<DQJ]KRX <DQJMEHΘKQWORO L&R /ZG \DQJMLH P

DZ23C2V4Q THRU DZ23C47Q



DZ23C2V4Q THRU DZ23C47Q

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