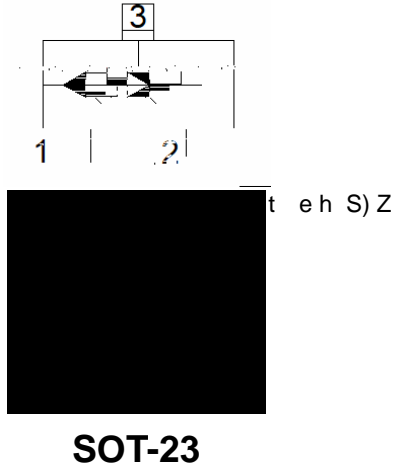


Small Signal Zener Diode



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"

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 $I_F=10mA_{dc}$	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	$^{\circ}W$
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
AZ23C2V4Q THRU AZ23C47Q	F2	Approximate 0.01	3000	30000	120000	7" reel



AZ23C2V4Q THRU AZ23C47Q

RoHS
COMPLIANT

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_{ZTC} mV/	Test Current I_{ZTC}	Typical Junction Capacitance
		min.	typ.	max.	mA	I_{zt} (mA)	max.	I_{zk} (mA)	max.	uA	V_R (V)			





Outline Dimensions





Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

U
G esT