

#### SURFACE MOUNT ZENER DIODES

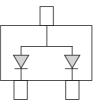
#### FEATURES

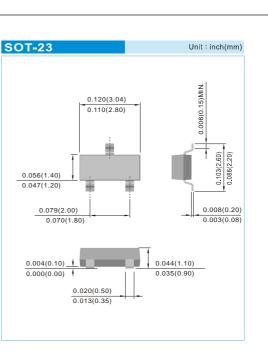
- Planar die construction
- 200mW Power dissipation
- · Ideally suited for automated assembly processes
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

#### **MECHANICAL DATA**

- Case: SOT-23, Molded Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.0003 ounces, 0.0084 grams
- Marking: ID

COMMON ANODE





#### MAXIMUM RATINGS

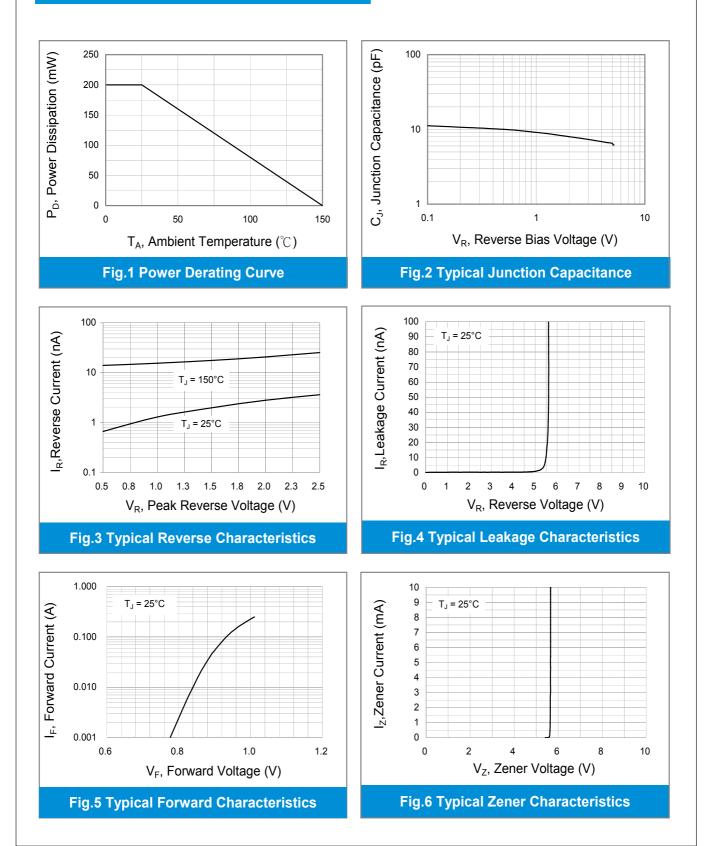
Parameter	Symbol	Value	Units
Maximum Power Dissipation at 25°C	Po	200	mW
Junction Temperature	TJ	150	٥C
Storage Temperature Range	Тѕтс	-55 to +150	°C

#### **ELECTRICAL CHARACTERISTICS**

Parameter	Symbol	Condition	Value		Unit
Zener Voltage	Vz	I z=5mA	Min.	Max.	V
			5.31	5.92	V
Maximum DC Reverse Current Ta=25°C	l r	VR=2.5V	1		μA
Dynamic Impedance	Zz	I z=5mA	60		Ω
Rising Operation Resistance	Zzĸ	l z=0.5mA	200		Ω
Capacitance Between Terminals	Ст	f=1MHz VR=5V	TYP. 12		pF

Note : Valid provided that leads ara distance of 8mm from case are keptatam bienttem perature



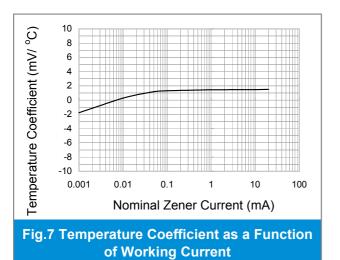


## RATING AND CHARACTERISTIC CURVES

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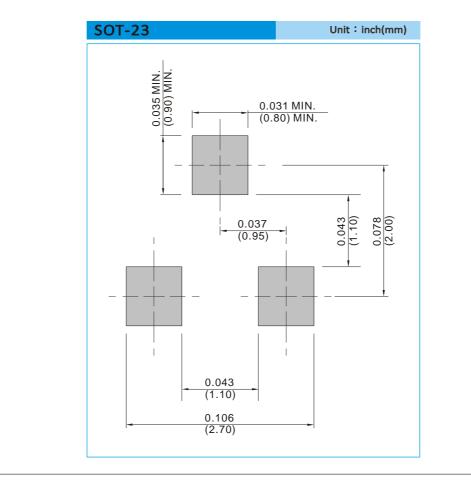


### RATING AND CHARACTERISTIC CURVES





#### MOUNTING PAD LAYOUT



#### ORDER INFORMATION

Packing information

T/R - 12K per 13" plastic Reel

T/R - 3K per 7" plastic Reel





## Part No\_packing code\_Version

AZ23C5V6P\_R1\_00001 AZ23C5V6P\_R2\_00001

## For example :

## RB500V-40\_R2\_00001



• Serial number

• Version code means HF

Packing size code means 13"

-• Packing type means T/R

Packing Code XX			Version Code XXXXX			
Packing type	1 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	В	13"	2			
Tube Packing (T/P)	т	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			





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