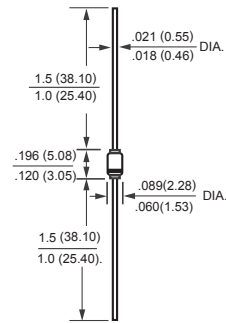


**HERMETICALLY SEALED  
SILICON PLANAR ZENER DIODES**

**FEATURES**

- \* ROHS Compliant
- \* DO-35 Package (JEDEC)
- \* Through-Hole Device Type Mounting
- \* Hermetically Sealed Glass
- \* Compression Bonded Construction
- \* All external surfaces are corrosion resistant and leads are readily solderable
- \* Solder hot dip Tin (Sn) lead finish
- \* Cathode indicated by polarity band



Dimensions in inches and (millimeters)

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Ratings at 25 °C ambient temperature unless otherwise specified.  
Single phase, half wave, 60 Hz, resistive or inductive load.  
For capacitive load, derate current by 20%.

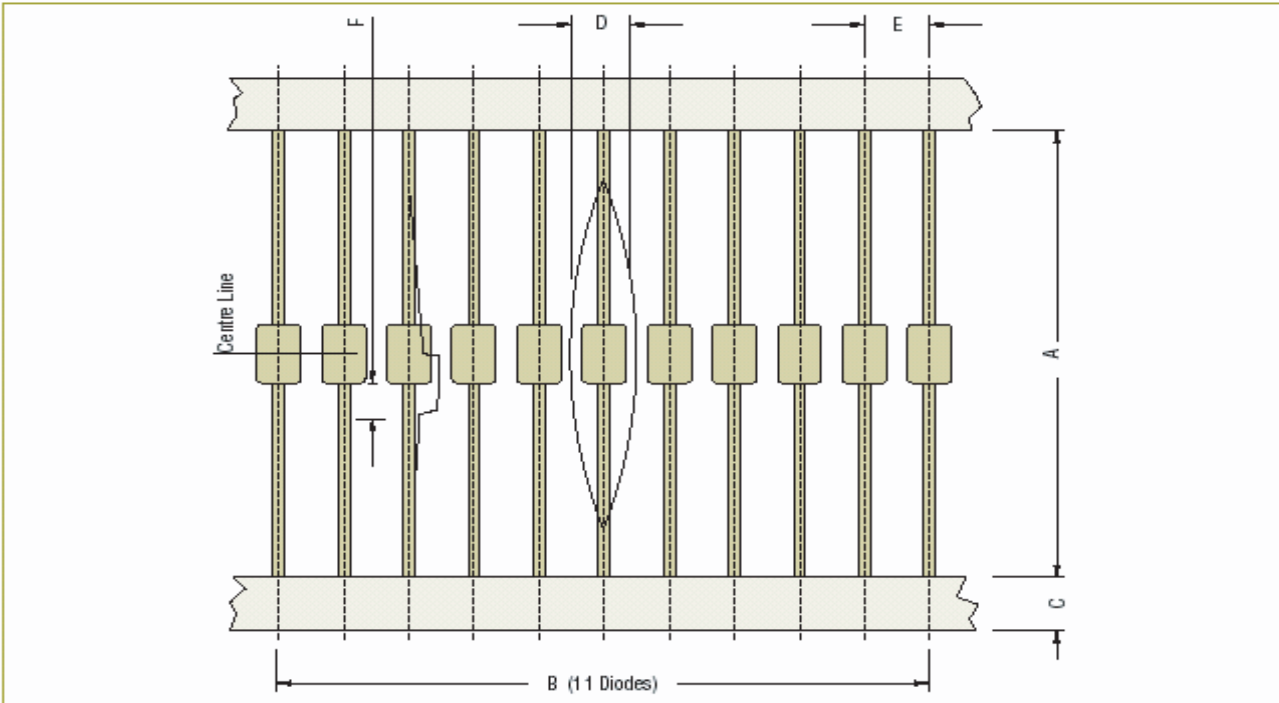
**MAXIMUM RATINGS ( @ TA = 25°C unless otherwise noted )**

Power Dissipation	P <sub>D</sub>	300	mW
Forward Voltage @IF=100mA	V <sub>F</sub>	1.0	V
Junction Temperature	T <sub>J</sub>	150	°C
Storage Temperature	T <sub>STG</sub>	-55 to + 150	°C

**ELECTRICAL CHARACTERISTICS ( @ TA = 25°C unless otherwise noted )**

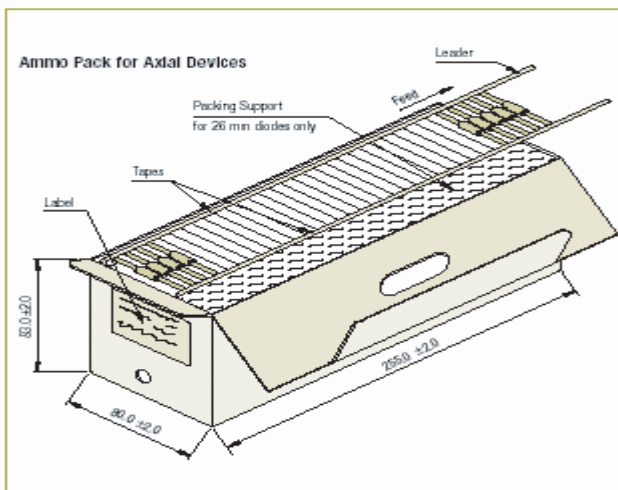
CHARACTERISTICS		SYMBOL	MIN.	TYP.	MAX.	UNITS
Zener voltage	(I <sub>Z</sub> =5mA)	V <sub>Z</sub> (v)	2.02	-	2.20	V
leakage current	(V <sub>R</sub> =0.5V)	I <sub>R</sub>	-	-	120	µA
Dynamic Resistance	(I <sub>Z</sub> =5mA)	Z <sub>Z</sub> (w)			100	

# Axial Tape and Ammo Packaging



## Axial Tape Specifications

Device	Type	A		B		C		D		E		F	
		mm	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
DO-35	26 mm	26.0	26.4	48.0	52.0	5.0	6.0	—	1.5R	4.5	5.5	—	0.8
	52 mm	50.0	54.0	48.0	52.0	5.0	6.0	—	1.5R	4.5	5.5	—	1.0



Reference Drawings are not to scale

All Dimensions are in mm

### Taping Specification

- 300 mm (Min) leader tape on every roll.
- No. of empty places allowed 0.25% without consecutive empty places.
- Ends of leads shall normally not protrude beyond the tapes.
- Components shall be held sufficiently in the tape or tapes so that they can not come free in normal handling.

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