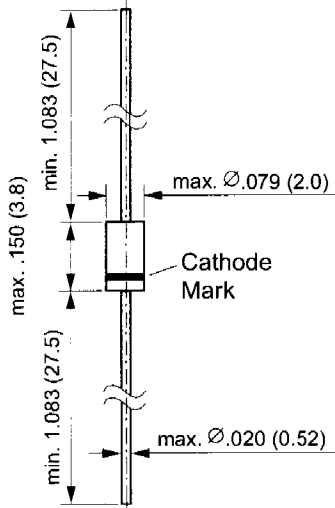


**DO-204AH (DO-35 Glass)**



Dimensions are in inches and (millimeters)

## ZTE1.5 thru ZTE2.4 Voltage Stabilizers

### Mechanical Data

**Case:** DO-35 Glass Case

**Weight:** approx. 0.13g

**Packaging codes/options:**

D7/10K per 13" reel (52mm tape), 20K/box

D8/10K per Ammo tape, (52mm tape), 20K/box

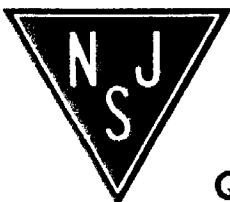
### Maximum Ratings (T<sub>A</sub> = 25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Operating Current (see Table "Characteristics")			
Inverse Current	I <sub>F</sub>	100	mA
Power dissipation at T <sub>amb</sub> = 25°C	P <sub>tot</sub>	300 <sup>(1)</sup>	mW
Junction temperature	T <sub>J</sub>	150	°C
Storage temperature range	T <sub>S</sub>	-55 to +150	°C

### Electrical and Thermal Characteristics (T<sub>A</sub> = 25°C unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage at I <sub>F</sub> = 10 mA	V <sub>F</sub>	-	-	1.1	V
Temperature Coefficient of the stabilized voltage at I <sub>Z</sub> = 5 mA	ZTE1.5, ZTE2	α <sub>VZ</sub>	-	-26	10 <sup>-4</sup> /°C
	ZTE2.4	α <sub>VZ</sub>	-	-34	10 <sup>-4</sup> /°C
Thermal resistance junction to ambient air	R <sub>θJA</sub>	-	-	0.4 <sup>(1)</sup>	°C/W

Type	Operating Voltage at I <sub>Z</sub> = 5mA <sup>(2)</sup> V <sub>Z</sub> (V)	Dynamic resistance at I <sub>Z</sub> = 5mA r <sub>ZJ</sub> (Ω)	Permissible operating current at T <sub>amb</sub> = 25°C <sup>(1)</sup> I <sub>Z</sub> max. (mA)
ZTE1.5	1.35 ... 1.55	13(<20)	120
ZTE2	2.0 ... 2.3	18(<30)	120
ZTE2.4	2.2 ... 2.56	14(<20)	120



NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.

**Quality Semi-Conductors**