

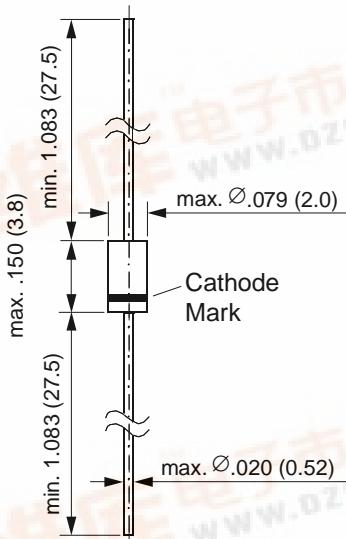


ZTE1.5 thru ZTE2.4

Voltage Stabilizers



DO-204AH (DO-35 Glass)



Dimensions are in inches and (millimeters)

Maximum Ratings (TA = 25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Operating Current (see Table "Characteristics")			
Inverse Current	I _F	100	mA
Power dissipation at T _{amb} = 25°C	P _{tot}	300 ⁽¹⁾	mW
Junction temperature	T _J	150	°C
Storage temperature range	T _S	-55 to +150	°C

Electrical and Thermal Characteristics (TA = 25°C unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage at I _F = 10 mA	V _F	-	-	1.1	V
Temperature Coefficient of the stabilized voltage at I _Z = 5 mA	α _{VZ}	-	-26	-	10 ⁻⁴ /°C
	α _{VZ}	-	-34	-	10 ⁻⁴ /°C
Thermal resistance junction to ambient air	R _{θJA}	-	-	0.4 ⁽¹⁾	°C/W

Type	Operating Voltage at I _Z = 5mA ⁽²⁾ V _Z (V)	Dynamic resistance at I _Z = 5mA r _{zj} (Ω)	Permissible operating current at T _{amb} = 25°C ⁽¹⁾ I _Z 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

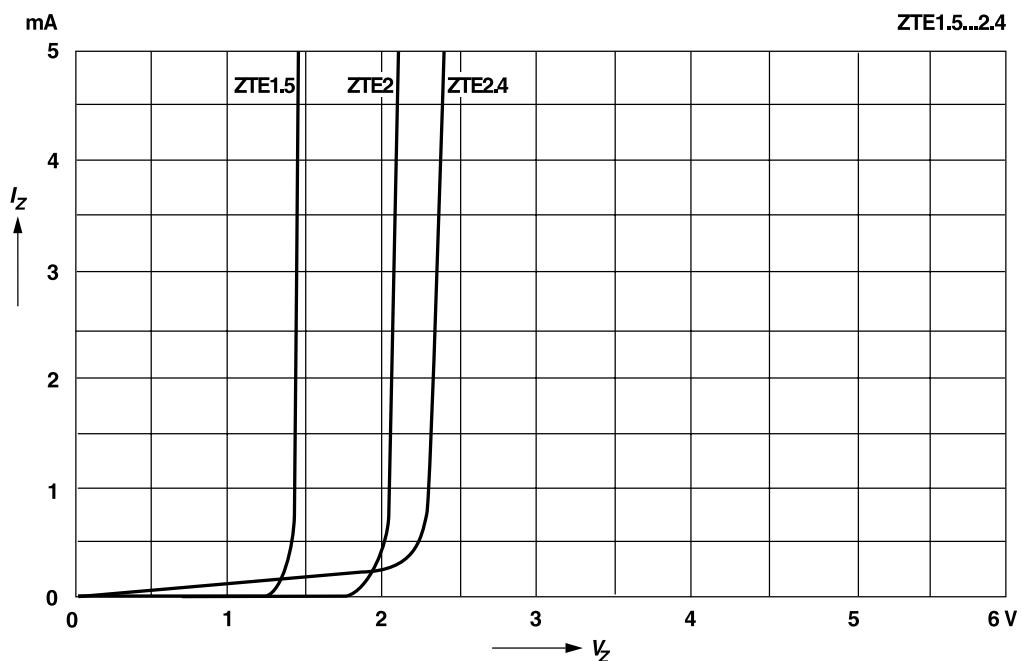
Notes: (1) Valid provided that electrodes are kept at ambient temperature at a distance of 8mm from case

(2) Tested with pulses t_p = 5ms

**Ratings and
Characteristic Curves** (TA = 25°C unless otherwise noted)

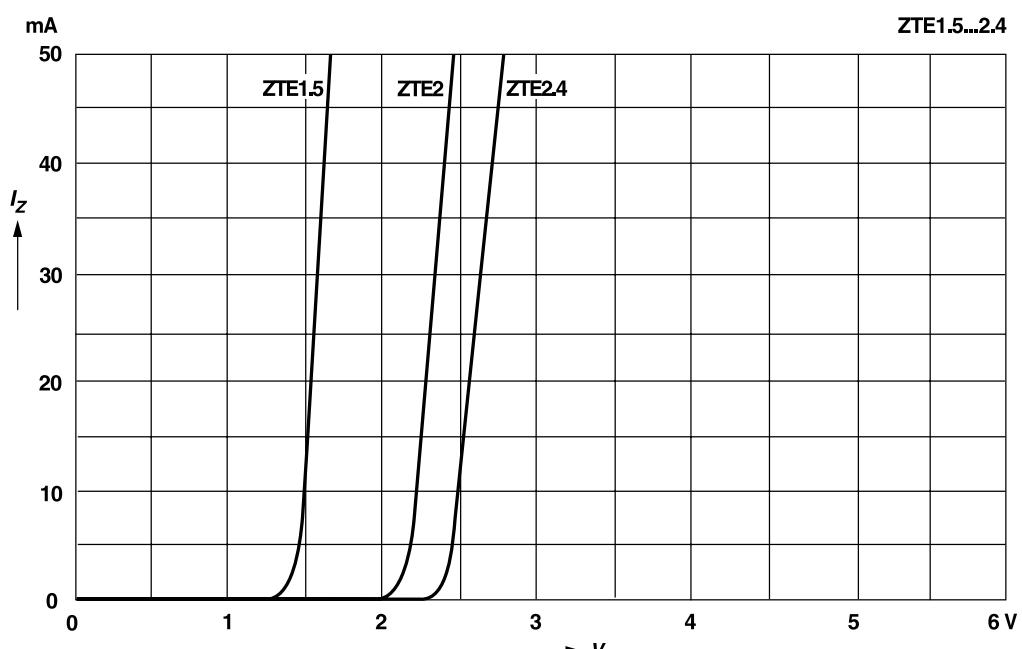
Breakdown characteristics

T_j = constant (pulsed)



Breakdown characteristics

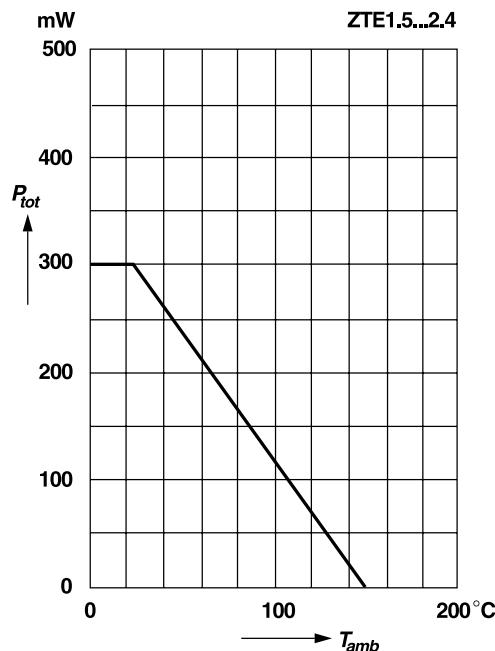
T_j = constant (pulsed)



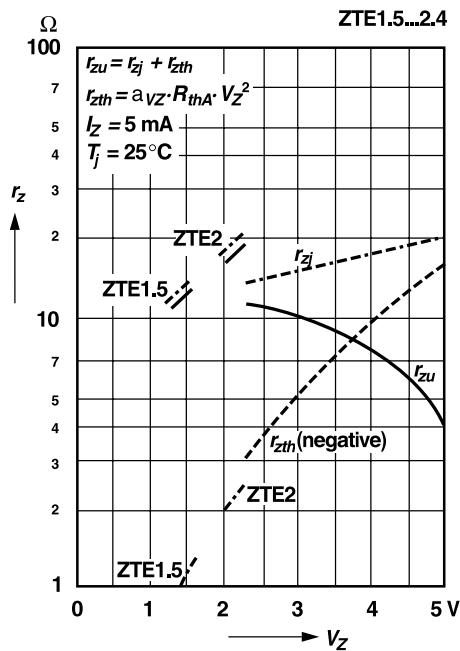
**Ratings and
Characteristic Curves** (TA = 25°C unless otherwise noted)

**Admissible power dissipation
versus ambient temperature**

Valid provided that leads at a distance of 8 mm from case
are kept at ambient temperature



**Dynamic resistance
versus operating voltage**



**Dynamic resistance
versus operating current, normalized**

