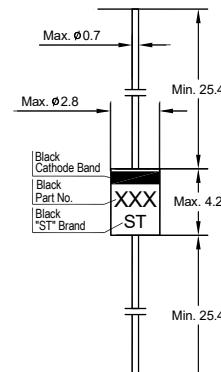


## 1N4727A...1N4761A

### Silicon Planar Power Zener Diodes

For use in stabilizing and clipping circuits  
with high power rating.



Glass Case DO-41  
Dimensions in mm

#### Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

Parameter	Symbol	Value	Unit
Power Dissipation	$P_{tot}$	1	W
Junction Temperature	$T_j$	200	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	- 65 to + 200	$^\circ\text{C}$

#### Thermal Characteristics

Parameter	Symbol	Max.	Unit
Thermal Resistance Junction to Ambient <sup>1)</sup>	$R_{\theta JA}$	175	$^\circ\text{C}/\text{W}$

<sup>1)</sup> Valid provided that leads at a distance of 8 mm from case are kept at ambient temperature.



### Electrical Characteristics Curves

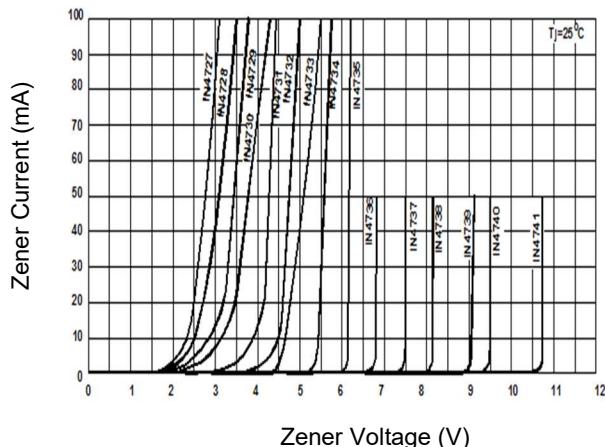


Fig 1. Zener Characteristics Curve

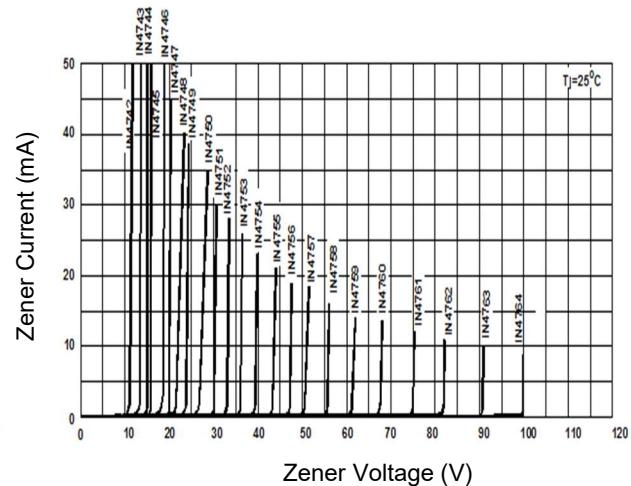


Fig 2. Zener Characteristics Curve

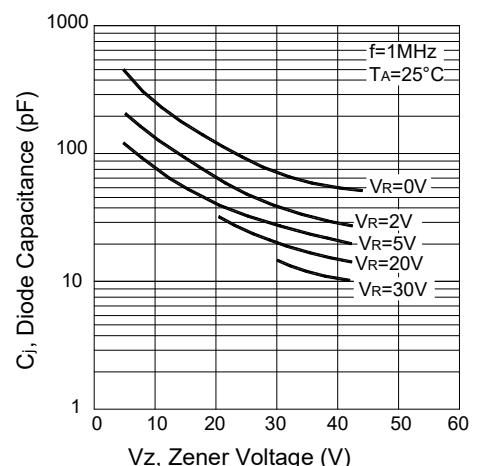


Fig 3 Junction Capacitance vs Zener Voltage

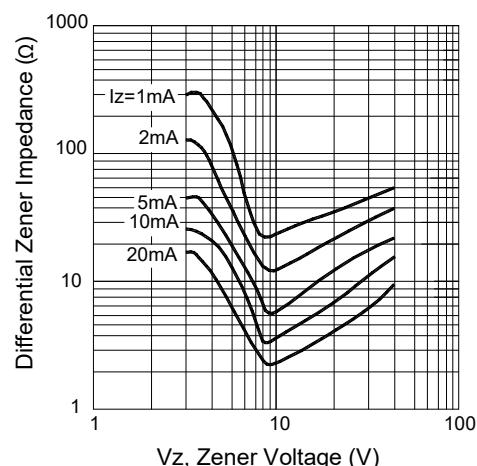


Fig 4 Typical Zener Impedance vs. Zener Voltage

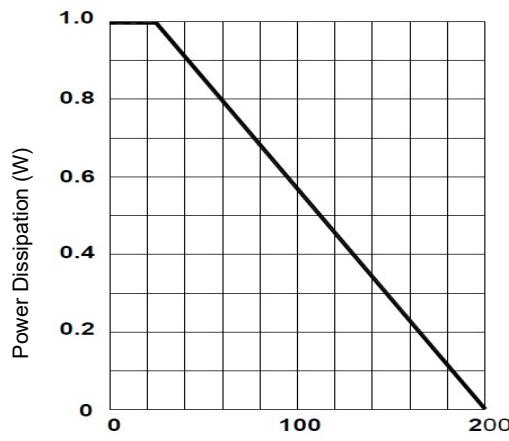


Fig 5. Power Derating Curve

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