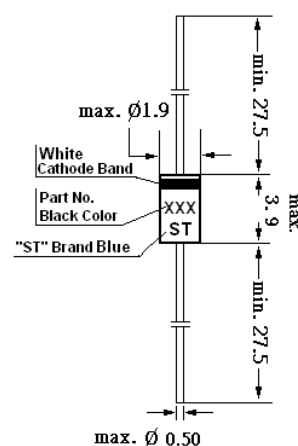


SILICON PLANAR ZENER DIODES



Glass case JEDEC DO-35
Dimensions in mm

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

	Symbol	Value	Unit
Power Dissipation	P_{tot}	500 ¹⁾	mW
Junction Temperature	T_j	175	$^\circ\text{C}$
Storage Temperature Range	T_s	-55 to +175	$^\circ\text{C}$

¹⁾ Valid provided that leads are kept at ambient temperature at a distance of 8 mm from case

Characteristics at $T_{\text{amb}} = 25^\circ\text{C}$

	Symbol	Min.	Max.	Unit
Thermal Resistance Junction to Ambient Air	R_{thA}	-	0.3 ¹⁾	K/mW
Forward Voltage at $I_F = 200\text{mA}$	V_F	-	1.2	V

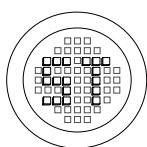
¹⁾ Valid provided that leads are kept at ambient temperature at a distance of 8 mm from case

Characteristics at $T_{\text{amb}} = 25^\circ\text{C}$

Type	Zener Voltage Range ¹⁾			Dynamic Resistance			Leakage Current		Maximum DC Zener Current I_{ZM} mA
	V_{Znom} V	I_{ZT} mA	for V_{ZT} ²⁾ V	r_{ZJT} Ω	r_{ZJK} at Ω	I_{ZK} mA	I_{R} at μA	V_{R} V	
1N6008B	22	5	20.9...23.1	<55	<600	0.25	<100	17	23

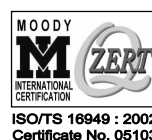
¹⁾ Tested with pulses $t_p = 20\text{ ms}$.

²⁾ Valid provided that leads are kept at ambient temperature at a distance of 8 mm from case.



SEMTECH ELECTRONICS LTD.

(Subsidiary of Semtech International Holdings Limited, a company
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