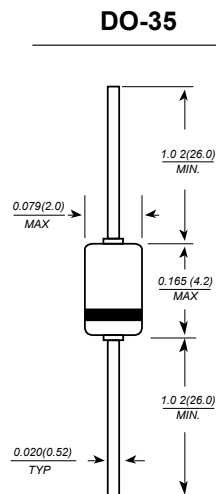

Features

- Fast Switching
- High Reliability
- High Conductance

Mechanical Data

- Case: DO-35, glass case
- Polarity: Color band denotes cathode
- Weight: 0.004 ounces, 0.13 grams



Maximum Ratings $T_A = 25^\circ\text{C}$ unless otherwise specified

Symbol	Parameter	Value	Units
V_{RRM}	Maximum Repetitive Reverse Voltage	100	V
$I_{F(AV)}$	Average Rectified Forward Current	200	mA
I_{FSM}	Non-repetitive Peak Forward Surge Current	1.0	A
	Pulse Width = 1.0 second Pulse Width = 1.0 microsecond	4.0	A
T_{stg}	Storage Temperature Range	-65 to +200	$^\circ\text{C}$
T_J	Operating Junction Temperature	175	$^\circ\text{C}$

Thermal Characteristics

Symbol	Parameter	Value	Units
P_D	Power Dissipation	500	mW
$R_{\theta JA}$	Thermal Resistance, Junction to Ambient	300	$^\circ\text{C}/\text{W}$

Electrical Characteristics $T_A = 25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Test Conditions	Min	Max	Units
V_R	Breakdown Voltage	$I_R = 100 \mu\text{A}$	100		V
V_F	Forward Voltage	$I_F = 20 \text{ mA}$		1.0	V
I_R	Reverse Current	$V_R = 20 \text{ V}$		25	nA
		$V_R = 20 \text{ V}, T_A = 150^\circ\text{C}$		50	μA
C_T	Total Capacitance	$V_R = 0, f = 1.0 \text{ MHz}$		4	pF
t_{rr}	Reverse Recovery Time	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}, R^L = 100 \Omega, I = 1.0 \text{ mA}$		4	ns