

### Features

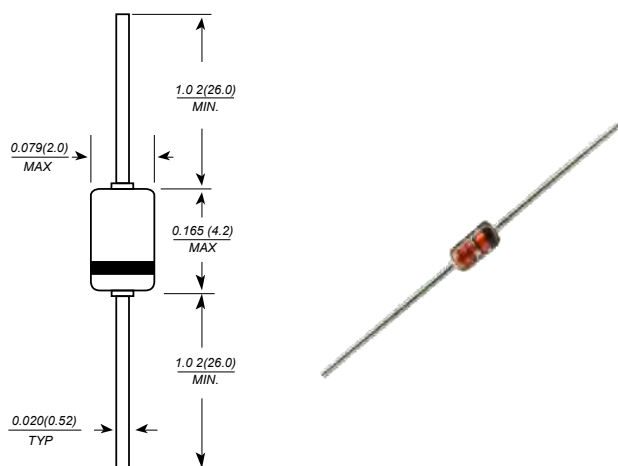
- Detection efficiency is very good.
- Small temperature coefficient.
- High reliability with glass seal.

### Mechanical Data

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



### DO-35(GLASS)



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

Parameter	Symbol	Value	Unit
Reverse Voltage	$V_R$	10	V
Average Forward Current	$I_O$	30	mA
Junction Temperature	$T_J$	125	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	- 55 to + 125	$^\circ\text{C}$

### Electrical Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Min.	Max.	Unit
Forward Current at $V_F = 1\text{ V}$	$I_F$	4.5	-	mA
Reverse Current at $V_R = 6\text{ V}$	$I_R$	-	70	$\mu\text{A}$
Capacitance at $V_R = 1\text{ V}$ , $f = 1\text{ MHz}$	C	-	1.5	pF
Rectifier Efficiency at $V_{in} = 2\text{ Vrms}$ , $f = 40\text{ MHz}$ , $R_L = 5\text{ K}\Omega$ , $C_L = 20\text{ pF}$	$\eta$	70	-	%
ESD Capability <sup>1)</sup> at C = 200 pF, both forward and reverse direction 1 pulse.	-	100	-	V

<sup>1)</sup> Failure criterion:  $I_R \geq 140\ \mu\text{A}$  at  $V_R = 6\text{ V}$