

## 1N4148-1N4154

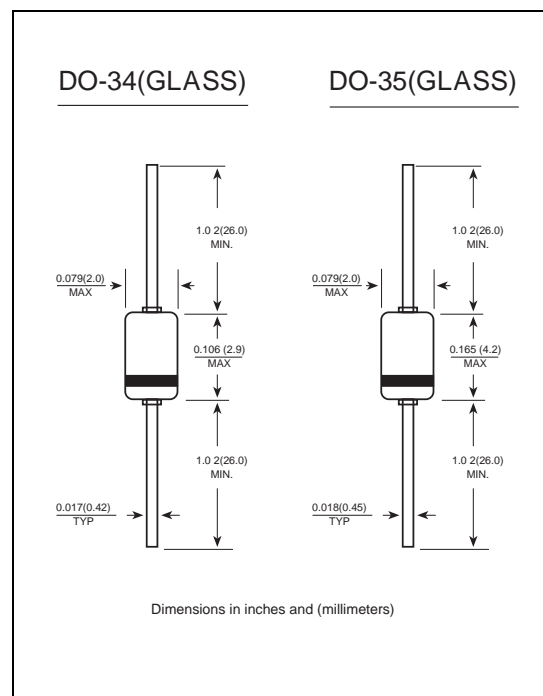
Small Signal Switching Diode

### Features

- ◆ Silicon epitaxial planar diode
- ◆ Switching diodes
- ◆ 400mw-500mw power dissipation
- ◆ High temperature soldering guaranteed  
250 C/10 seconds,0.375" (9.5mm) lead length,  
5 lbs. (2.3kg) tension

### Mechanical Data

Case : DO-34\DO-35 glass sealed envelope.  
Terminals : Plated axial leads, solderable per MIL-STD-750,  
Method 2026  
Polarity : Color band denotes cathode end  
Mounting Position : Any  
Weight :0.003 ounce, 0.09 grams(DO-34)  
0.005 ounce, 0.14 grams(DO-35)



### Maximum Ratings And Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

Type Number	SYMBOL	1N4148	1N4149	1N4150	1N4151	1N4152	1N4153	1N4154	units
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	100	100	50	75	40	75	35	V
Maximum Average rectified Current	$I_{F(AV)}$	150	150	200	150	150	150	150	mA
Maximum power dissipation $t_{amb}=25^{\circ}C$	$P_{tot}$	500	500	500	500	400	400	500	mW
Maximum Forward Voltage	$V_F$	1.0/10	1.0/10	1.0/200	1.0/150	0.81/10	0.81/10	1.0/300	V/mA
Maximum reverse current	$I_R$	5000/75	5000/20	100/50	50/50	50/30	50/25	100/25	nA/V
Maximum reverse recovery time	$t_{rr}$	4.0	4.0	4.0	4.0	2.0	2.0	2.0	nS
Maximum junction capacitance	$C_J$	4.0							pF
Storage Temperature	$T_{STG}$	-55 to +175							°C
Operation Junction Temperature	$T_J$	-55 to +175							°C