

1N914(A/B)-1N916(A/B)

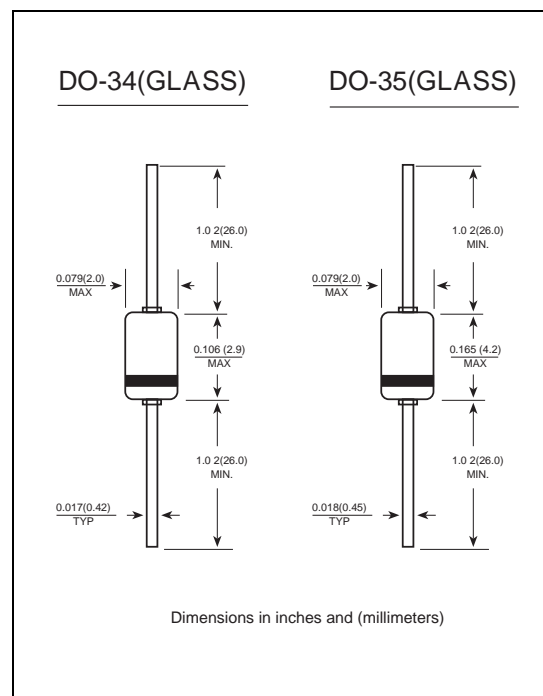
Small Singal Switching Diode

Features

- ◆ Silicon epitaxial planar diode
- ◆ Switching diodes
- ◆ 500mw power dissipation
- ◆ High temperature soldering guaranteed
250 ℃/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℃ ambient temperature unless otherwise specified. Single phase half-wave 60Hz,resistive or inductive load,
for capacitive load current derate by 20%.

Type Number	SYMBOL	1N914	1N916	1N914A	1N916A	1N914B	1N916B	units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	100	100	100	100	100	100	V
Maximum Average rectified Current	$I_{F(AV)}$	150	150	150	150	100	100	mA
Maximum power dissipation $t_{amb}=25^{\circ}C$	P_{tot}	500	500	500	500	500	500	mW
Maximum Forward Voltage	V_F	1.0/10	1.0/10	1.0/30	1.0/20	0.62/5	0.63/5	V/mA
Maximum reverse current	I_R	5000/75	5000/75	5000/75	5000/75	5000/75	5000/75	nA/V
Maximum reverse recovery time	t_{rr}	4.0	4.0	4.0	4.0	4.0	4.0	nS
Maximum junction capacitance	C_J	4.0						pF
Storage Temperature	T_{STG}	-55 to +175						℃
Operation Junction Temperature	T_J	-55 to +175						℃