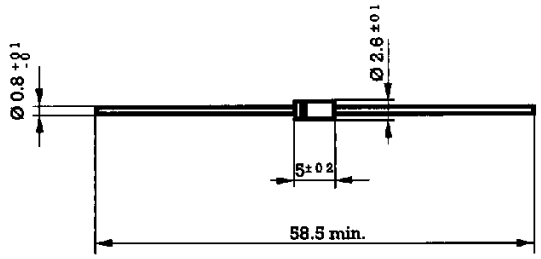
1 Amp. Silicon Rectifier Diodes

Dimensions in mm. **DO-41 (Plastic)**



Mounting instructions

1. Min. distance from body to soldering point, 4 mm.
2. Max. solder temperature, 350°C.
3. Max. soldering time, 3,5 sec.
4. Do not bend lead at a point closer than 2 mm. to the body.

Voltage
50 to 1.000 V.

Current
1.0 A. at 75°C.

- Low cost
- Diffused junction
- High current capability
- The plastic material carries U/L recognition 94 V-0
- Terminals: Axial Leads
- Polarity: Color band denotes cathode

Maximum Ratings, according to IEC publication No. 134

		1N 4001F	1N 4002F	1N 4003F	1N 4004F	1N 4005F	1N 4006F	1N 4007F
V_{RRM}	Peak recurrent reverse voltage (V)	50	100	200	400	600	800	1000
$I_{F(AV)}$	Forward current at Tamb = 75°C	1 A						
I_{FRM}	Recurrent peak forward current	10 A						
I_{FSM}	8.3 ms. peak forward surge current (Jedec method)	30 A						
T_j	Max. operating temperature	175°C						
T_{stg}	Storage temperature range	– 65 to + 175°C						

Electrical Characteristics at Tamb = 25°C

V_F	Max forward voltage drop at I_F = 1 A	1.1V
I_R	Max. reverse current at V_{RRM} at 25°C at 100°C	5 µ A 50 µ A
R_{thj-a}	Max. thermal resistance (l = 10 mm.)	50° C/W

Characteristic Curves

FAGOR ELECTRONICS