FAGOR

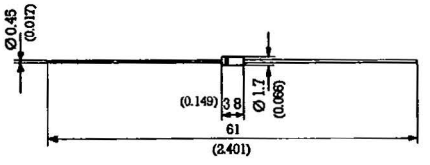
1N751 ..... 1N759

3459325 FAGOR ELECTRONICS 98D 00151 D

0.4 W Zener Diodes

T-11-09

Dimensions in mm. (inches) DO-35 (Glass)



Mounting instructions

1. Min. distance from body to soldering point, 2 mm.
2. Max. solder temperature, 300°C.
3. Max. soldering time, 3 sec.
4. Do not bend lead at a point closer than 1,5 mm. to the body.

Voltage
5.1 to 12 V.

Power
0.4 W

Standard Voltage Tolerance is ± 10 %
Add Suffix "A" for 5 % Tolerance.

- Low cost
- DO-35 Glass case
- Terminals: Axial Leads
- Polarity: Color band denotes cathode

Maximum Ratings, according to IEC publication No. 134

P_{tot}	Power dissipation at Tamb = 25°C	400 mW
P_{ZSM}	Non repetitive peak zener dissipation (T_j = 25°C, t = 1 ms)	12 W
T_j	Max. operating temperature	175°C
T_{stg}	Storage temperature range	− 50°C to + 175°C

Electrical Characteristics at Tamb = 25°C

V_F	Max. forward voltage drop at I_F = 200 mA	1,2 V
$R_{thj\text{-}a}$	Max. thermal resistance at: 8 mm. lead length	0,30°C/mW

FAGOR

T-11-09

1N751

Type	Nominal Zener Voltage V_Z at I_{ZT}	Maximum Zener Impedance Z_{ZT} at I_{ZT}	Test Current I_{ZT}	Typical Temperature Coefficient	Maximum Reverse Leakage Current I_R at V_R = 1 V		Maximum Regulator Current I_{ZM}
					T_A = 25°C	T_A = 150°C	
	(V)	(Ω)	(mA)	(%/°C)	(μA)	(μA)	(mA)
1N751	5.1	17	20	− 0.008	1	20	70
1N752	5.6	11	20	+ 0.006	1	20	65
1N753	6.2	7	20	+ 0.022	0.1	20	60
1N754	6.8	5	20	+ 0.035	0.1	20	55
1N755	7.5	6	20	+ 0.045	0.1	20	50
1N756	8.2	8	20	+ 0.052	0.1	20	45
1N757	9.1	10	20	+ 0.056	0.1	20	40
1N758	10.0	17	20	+ 0.060	0.1	20	35
1N759	12.0	30	20	+ 0.060	0.1	20	30

FAGOR

1N751

3459325 FAGOR ELECTRONICS 98D 00153 D

Characteristic Curves

T-11-09