

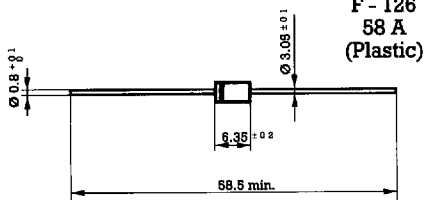


FAGOR ELECTRONICS

1.5 Amp. Fast Recovery Silicon Diodes

T-03-15

Dimensions in mm.

DO-15
F - 126
58 A
(Plastic)Voltage
1.000 V.Current
1.5 A. at 45°C.

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.

• Fast Recovery Diodes

- 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

		FF 1501	FF 1502	FF 1504	FF 1506	FF 1508	FF 1510
V _{RRM}	Peak recurrent and non recurrent reverse voltage (V)	100	200	400	600	800	1000
I _{F(AV)}	Forward current, R load at Tamb = 45 °C	1.5 A					
I _{FRM}	Recurrent peak forward current	5 A					
I _{FSM}	10 ms. peak forward surge current at Tj = 25 °C	50 A					
t _{rr}	Max. reverse recovery time from IF = 0.5 A IR = 1A ITr = 0.25 A	150 ns			250 ns	500 ns	
Tj	Max. operating temperature	+ 150°C					
T _{stg}	Storage temperature range	– 65 to + 150 °C					

Electrical Characteristics at $T_{amb} = 25^\circ C$

V_F	Forward voltage drop at $I_F = 1.5 A$	1.3 V
I_R	Reverse current at V_{RRM} at $25^\circ C$	5 μA
R_{thja}	Max. thermal resistance ($I = 10 mm.$)	60° C/W

Characteristic Curves

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