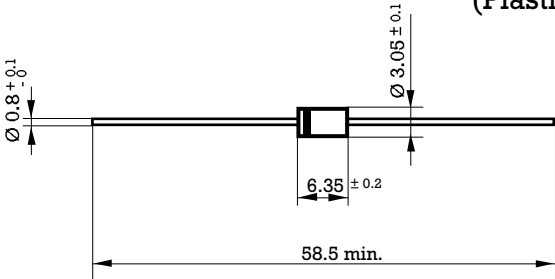


1.5 Amp. Fast Recovery Silicon Diodes

Dimensions in mm. DO-15 (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 100 to 1000 V. Current 1.5 A. at 45 °C. • 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
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Maximum Ratings, according to IEC publication No. 134

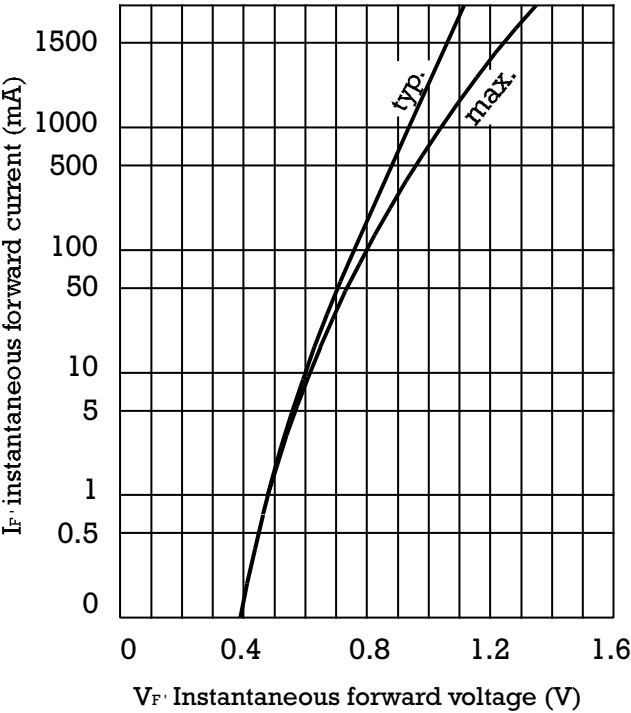
		FF 1501	FF 1502	FF 1504	FF 1506	FF 1508	FF 1510
V _{RRM}	Peak recurrent and non recurrent reverse voltage (V)	100	200	400	600	800	1000
I _{F(AV)}	Forward current, R load at Tamb = 45 °C	1.5 A					
I _{FRM}	Recurrent peak forward current	5 A					
I _{FSM}	10 ms. peak forward surge current at T _j = 25 °C	50 A					
t _{rr}	Max. reverse recovery time from I _F = 0.5 A I _R = 1 A I _{RR} = 0.25 A	150 ns			250 ns		
T _j	Operating temperature range	− 65 to + 125 °C					
T _{stg}	Storage temperature range	− 65 to + 125 °C					

Electrical Characteristics at $T_{amb} = 25\text{ °C}$

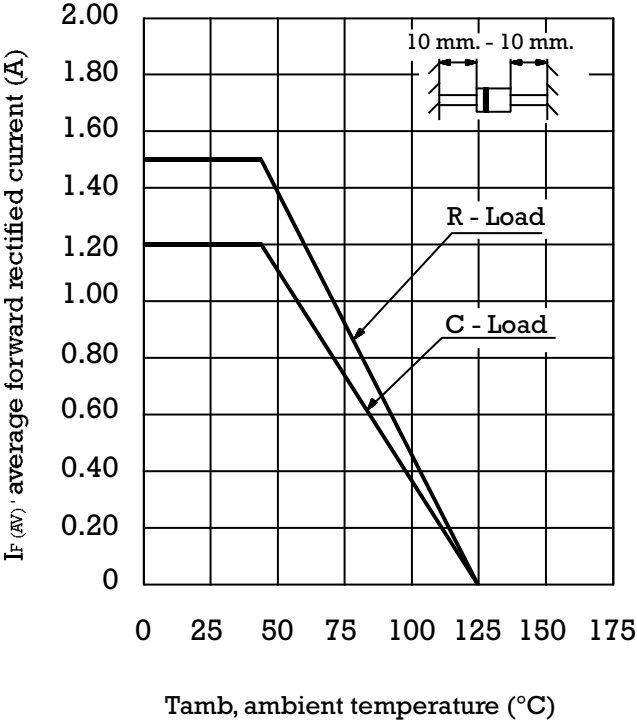
V_F	Forward voltage drop at $I_F = 1.5\text{ A}$	1.3 V
I_R	Reverse current at V_{RRM} at 25 °C	5 $\mu\text{ A}$
R_{thj-a}	Max. thermal resistance ($I = 10\text{ mm.}$)	60 °C/W

Characteristic Curves

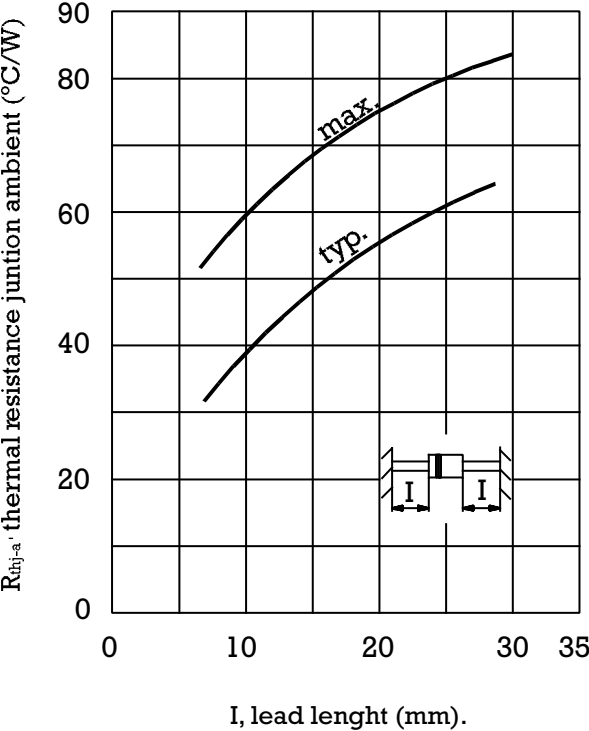
TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



THERMAL RESISTANCE



TYPICAL JUNCTION CAPACITANCE

