

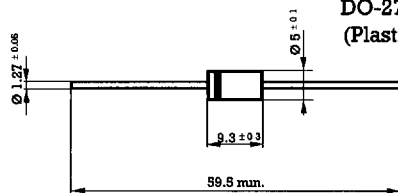


FAGOR ELECTRONICS

2 Amp. Fast Recovery Silicon Diodes

T-03-15

Dimensions in mm.

DO-201 AD
DO-27 A
(Plastic)Voltage
100 to 1.000 V.Current
2.0 A. at 50°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 3 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

		BY 296	BY 297	BY 298	BY 299	BY 299S
V_{RRM}	Peak recurrent and non recurrent reverse voltage (V)	100	200	400	800	1000
$I_{F(AV)}$	Forward current, R load at $T_{amb} = 50^\circ C$	2 A				
I_{FRM}	Recurrent peak forward current (A)	10 A				
I_{FSM}	10 ms. peak forward surge current at $T_j = 25^\circ C$	70 A				
t_{rr}	Max. reverse recovery time from $I_F = 0.5 A$ to $I_R = 1 A$ with $I_{tr} = 0.25 A$	250 ns				
T_j	Max. operating temperature	+ 150°C				
T_{stg}	Storage temperature range	- 65 to + 150°C				

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

V_F	Max. forward voltage drop at $I_F = 3 A$	1.3 V
I_R	Max. reverse current at V_{RRM} at $25^\circ C$	10 μA
R_{th-j-a}	Max. thermal resistance ($l = 10 mm.$)	30° C/W

Characteristic Curves

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