

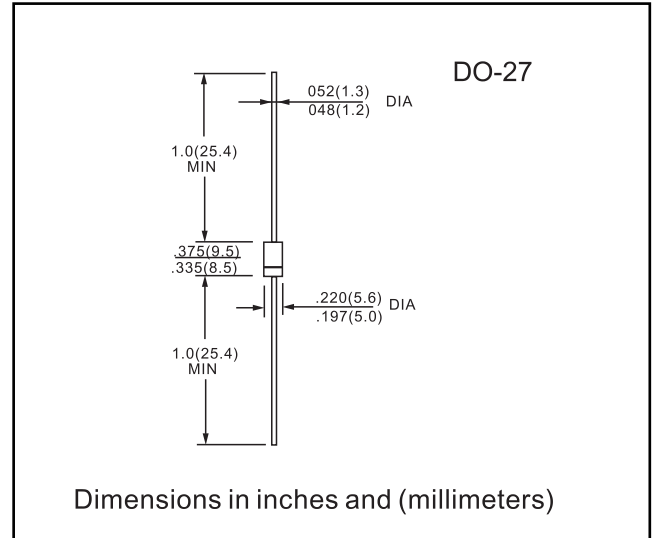


FEATURES

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

MECHANICAL DATA

- * Case: JEDEC DO-27, molded plastic
- * Terminals: Axial lead, solderable per MIL-STD202, Method 208
- * Polarity: Color band denotes cathode
- * Weight: 0.041 ounces, 1.15 grams
- * Mounting position: Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Type		31DF2	31DF4
V_{RRM}	Peak Recurrent reverse voltage	200 V	400 V
$I_{F(AV)}$	Forward current at $T_{amb} = 40\text{ }^{\circ}\text{C}$	3 A	
I_{FRM}	Recurrent peak forward current	15 A	
I_{FSM}	8.3 ms. peak forward surge current (Jedec Method)	90 A	
t_{rr}	Reverse recovery time from $I_F = 0.5\text{ A}$; $I_R = 1\text{ A}$; $I_{RR} = 0.25\text{ A}$	30 ns	
T_j	Operating temperature range	- 65 to + 150 $^{\circ}\text{C}$	
T_{stg}	Storage temperature range	- 65 to + 150 $^{\circ}\text{C}$	

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

V_F	Max. forward voltage drop at $I_F = 3\text{ A}$	0.98 V	1.25 V
I_R	Max. reverse current at V_{RRM} at 25 $^{\circ}\text{C}$	10 μA	
R_{thj-a}	Max. thermal resistance (l = 10 mm.)	30 $^{\circ}\text{C/W}$	



RATINGS AND CHARACTERISTIC CURVES 31DF2 THRU 31DF4

