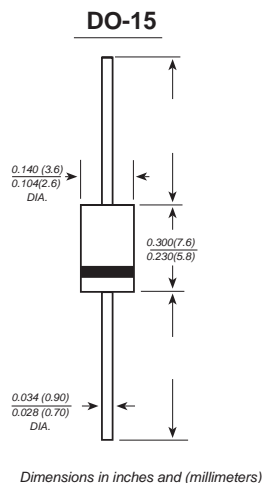


FEATURES

- ◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- ◆ Construction utilizes void-free molded plastic technique
- ◆ Low reverse leakage
- ◆ High forward surge current capability
- ◆ High temperature soldering guaranteed:
250°C/10 seconds, 0.375" (9.5mm) lead length, 5 lbs. (2.3kg) tension

MECHANICAL DATA

Case: JEDEC DO-15 molded plastic body
Terminals: Plated axial leads, solderable per MIL-STD-750, Method 2026
Polarity: Color band denotes cathode end
Mounting Position: Any
Weight: 0.014 ounce, 0.40 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

	SYMBOLS	1N5392							UNITS
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	VOLTS
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	VOLTS
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	VOLTS
Maximum average forward rectified current 0.375" (9.5mm) lead length at $T_A=75^\circ\text{C}$	$I_{(AV)}$	1.5							Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	50.0							Amps
Maximum instantaneous forward voltage at 1.5A	V_F	1.4							Volts
Maximum DC reverse current $T_A=25^\circ\text{C}$ at rated DC blocking voltage $T_A=100^\circ\text{C}$									
Typical junction capacitance (NOTE 1)									
Operating junction and storage temperature range									

Note: 1. Measured at 8MHz and $V_D(90\text{ to }95\text{ms})$ with $I_{(AV)}=0.1\text{A}$, $I_{FSM}=10\text{A}$, $T_A=25^\circ\text{C}$, $T_C=100^\circ\text{C}$, $f=100\text{Hz}$, $V_{RRM}=100\text{V}$, $V_{RMS}=70\text{V}$, $V_{DC}=100\text{V}$, $I_{(AV)}=1.5\text{A}$, $I_{FSM}=50\text{A}$, $V_F=1.4\text{V}$

