

1N5610 - 1N5613

UNI-DIRECTIONAL TRANSIENT VOLTAGE SUPPRESSOR

V_{WM} : 30.5 -175 Volts
 P_{PP} : 1500 Watts

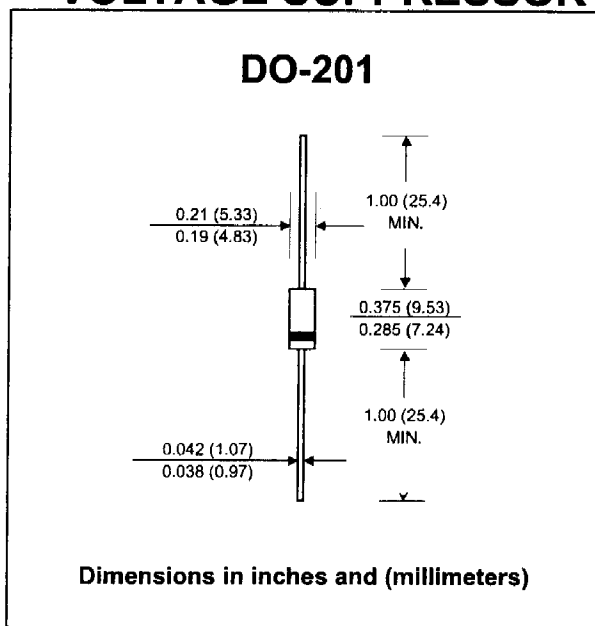
FEATURES :

- * Peak pulse power: 1500W at 10/1000 μ s
- * Extensive rang in Working Peak "Standoff" Voltage (V_{WM}) from 30.5 to 175 V
- * High surge current
- * Excellent robust construction
- * Pb / RoHS Free

MECHANICAL DATA

- * Case : DO-201 Molded plastic
- * Epoxy : UL94V-O rate flame retardant
- * Lead : Axial lead solderable

- * Polarity : Color band denotes cathode.
- * Mounting position : Any
- * Weight : 0.93 grams



MAXIMUM RATINGS (Rating at 25 °C ambient temperature unless otherwise specified)

Rating	Symbol	Value	Unit
Peak Pulse Power at $T_a = 25\text{ }^\circ\text{C}$, 10/1000 μ s	P_{PP}	1500	W
Steady State Power at $T_a = 25\text{ }^\circ\text{C}$	P_D	3.0	W
Operating and Storage Temperature Range	T_J, T_{STG}	- 55 to + 175	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS (Rating at 25 °C ambient temperature unless otherwise specified)

Type No.	Minimum Breakdown Voltage at $I_{(BR)}$		Working Peak Voltage	Maximum Leakage Current @ V_{WM}	Maximum Clamping Voltage @ I_{PP}	Maximum Reverse Current	Maximum Temperature Co-efficient of $V_{(BR)}$
	$V_{(BR)}$ Min.	$I_{(BR)}$ (mA)	V_{WM} (V)	I_D (μ A)	V_C (V)	I_{PP} (A)	(% / $^\circ\text{C}$)
1N5610	33.0	1.0	30.5	5	47.6	32	0.093
1N5611	43.7	1.0	40.3	5	63.5	24	0.094
1N5612	54.0	1.0	49.0	5	78.5	19	0.096
1N5613	191	1.0	175	5	265	5.7	0.100

