

1N746A THRU 1N759A

**SILICON ZENER DIODES
500mW, 3.3 THRU 12 VOLT
5% TOLERANCE**

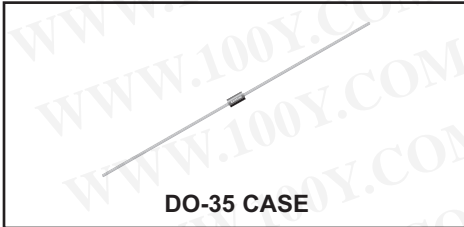


www.centrasemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR 1N746A series silicon Zener diode is a highly reliable voltage regulator designed for use in industrial, commercial, entertainment and computer applications.

MARKING: FULL PART NUMBER



DO-35 CASE

MAXIMUM RATINGS: ($T_L=75^\circ\text{C}$)

Power Dissipation

Operating and Storage Junction Temperature

SYMBOL

P_D

T_J, T_{stg}

500

-65 to +200

UNITS

mW

$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS: ($T_A=25^\circ\text{C}$) $V_F=1.5\text{V MAX @ } I_F=200\text{mA}$ (for all types)

Type	Zener Voltage $V_Z @ I_{ZT}$			Test Current I_{ZT}	Maximum Zener Impedance $Z_{ZT} @ I_{ZT}$	Maximum Reverse Leakage Current		Maximum Reverse Leakage Current @ $T_A=150^\circ\text{C}$		Maximum Regulator Current I_{ZM}
	MIN	NOM	MAX			$I_R @ V_R$	$I_R @ V_R$			
	V	V	V					μA	V	
1N746A	3.135	3.3	3.465	20	28	10	1.0	30	1.0	110
1N747A	3.420	3.6	3.780	20	24	10	1.0	30	1.0	100
1N748A	3.705	3.9	4.095	20	23	10	1.0	30	1.0	95
1N749A	4.085	4.3	4.515	20	22	2.0	1.0	30	1.0	85
1N750A	4.465	4.7	4.935	20	19	2.0	1.0	30	1.0	75
1N751A	4.845	5.1	5.355	20	17	1.0	1.0	20	1.0	70
1N752A	5.320	5.6	5.880	20	11	1.0	1.0	20	1.0	65
1N753A	5.890	6.2	6.510	20	7.0	0.1	1.0	20	1.0	60
1N754A	6.460	6.8	7.140	20	5.0	0.1	1.0	20	1.0	55
1N755A	7.125	7.5	7.875	20	6.0	0.1	1.0	20	1.0	50
1N756A	7.790	8.2	8.610	20	8.0	0.1	1.0	20	1.0	45
1N757A	8.645	9.1	9.555	20	10	0.1	1.0	20	1.0	40
1N758A	9.50	10	10.50	20	17	0.1	1.0	20	1.0	35
1N759A	11.40	12	12.60	20	30	0.1	1.0	20	1.0	30

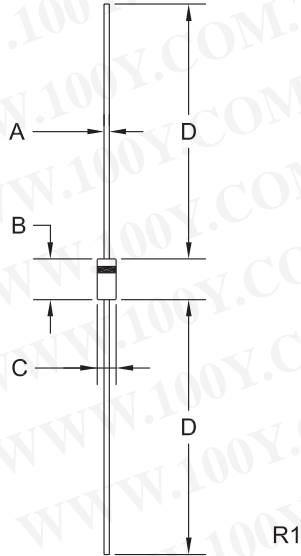
勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

R1 (17-December 2013)

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DO-35 CASE - MECHANICAL OUTLINE



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.018	0.022	0.46	0.56
B	0.120	0.200	3.05	5.08
C	0.060	0.090	1.52	2.29
D	1.000	-	25.40	-

DO-35 (REV: R1)

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