

1N746D THRU 1N759D

SILICON ZENER DIODES  
500mW, 3.3 THRU 12 VOLT  
1% TOLERANCE

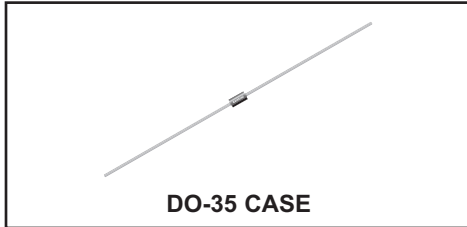


www.centrasemi.com

**DESCRIPTION:**

The CENTRAL SEMICONDUCTOR 1N746D 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**

$P_D$   
 $T_J, T_{stg}$

**UNITS**

500  
-65 to +200  
mW  
 $^\circ\text{C}$

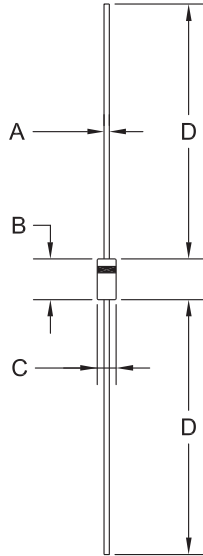
**ELECTRICAL CHARACTERISTICS:** ( $T_A=25^\circ\text{C}$ )  $V_F=1.5\text{V MAX @ } I_F=200\text{mA}$  (for all types)

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			$\mu\text{A}$	V	$\mu\text{A}$	V	
1N746D	3.267	3.3	3.333	20	28	10	1.0	30	1.0	110
1N747D	3.564	3.6	3.636	20	24	10	1.0	30	1.0	100
1N748D	3.861	3.9	3.939	20	23	10	1.0	30	1.0	95
1N749D	4.257	4.3	4.343	20	22	2.0	1.0	30	1.0	85
1N750D	4.653	4.7	4.747	20	19	2.0	1.0	30	1.0	75
1N751D	5.049	5.1	5.151	20	17	1.0	1.0	20	1.0	70
1N752D	5.544	5.6	5.656	20	11	1.0	1.0	20	1.0	65
1N753D	6.138	6.2	6.262	20	7.0	0.1	1.0	20	1.0	60
1N754D	6.732	6.8	6.868	20	5.0	0.1	1.0	20	1.0	55
1N755D	7.425	7.5	7.575	20	6.0	0.1	1.0	20	1.0	50
1N756D	8.118	8.2	8.282	20	8.0	0.1	1.0	20	1.0	45
1N757D	9.009	9.1	9.191	20	10	0.1	1.0	20	1.0	40
1N758D	9.90	10	10.10	20	17	0.1	1.0	20	1.0	35
1N759D	11.88	12	12.12	20	30	0.1	1.0	20	1.0	30

1N746D THRU 1N759D  
 SILICON ZENER DIODES  
 500mW, 3.3 THRU 12 VOLT  
 1% TOLERANCE



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)

MARKING: FULL PART NUMBER

R1

R1 (17-December 2013)