

CentralTM Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

CN4156
CN4157
CN5179

FORWARD REFERENCE DIODE
(STABISTOR)

AXIAL LEAD EPOXY CASE

DESCRIPTION

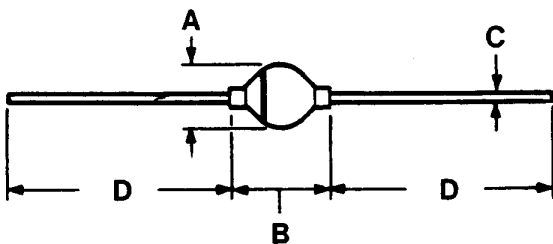
The CENTRAL SEMICONDUCTOR CN4156 series types are multi-chip silicon diodes mounted in a cost effective epoxy axial leaded case designed for applications requiring controlled forward voltage characteristics such as voltage regulation, sensing, and comparing. This series is a replacement for the 1N4156, 1N4157, and 1N5179, respectively. Special selections of DC parameters including V_F (forward voltage drop) at various test conditions are available on special order.

MAXIMUM RATINGS (T_A=25°C)

	SYMBOL		UNIT
Power Dissipation	P _D	400	mW
Operating and Storage Junction Temperature	T _J , T _{STG}	-65 TO +150	°C

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
V _F (CN4156)	I _F =1.0mA	1.21	1.41	V
V _F (CN4156)	I _F =10mA	1.38	1.58	V
V _F (CN4156)	I _F =100mA	1.54	1.84	V
V _F (CN4157)	I _F =1.0mA	1.85	2.05	V
V _F (CN4157)	I _F =10mA	2.12	2.32	V
V _F (CN4157)	I _F =100mA	2.36	2.66	V
V _F (CN5179)	I _F =1.0mA	2.20	2.80	V
V _F (CN5179)	I _F =10mA	2.60	3.20	V
V _F (CN5179)	I _F =100mA	3.00	3.70	V
I _R	V _R =20V		10	μA



	INCHES		mm	
	MIN	MAX	MIN	MAX
A	-	.140	-	3.56
B	-	.200	-	5.10
C	.012	.016	0.30	0.40
D	.750	-	19.0	-



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