

C1N4156
CN4157
CN5179

SILICON
FORWARD REFERENCE DIODES

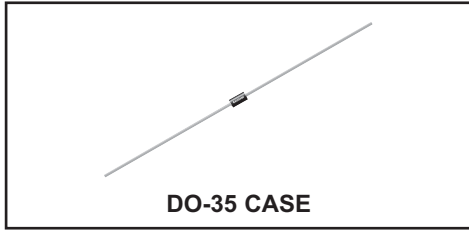


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DESCRIPTION:

The CENTRAL SEMICONDUCTOR C1N4156, CN41567, and CN5179 are multi-chip silicon diodes designed for applications requiring controlled forward voltage characteristics such as voltage regulation, sensing, and comparing.

MARKING: FULL PART NUMBER



DO-35 CASE

MAXIMUM RATINGS: ($T_A=25^\circ\text{C}$)

Power Dissipation
Operating and Storage Junction Temperature

SYMBOL

P_D 400
 T_J, T_{stg} -65 to +150

UNITS

mW
 $^\circ\text{C}$

ELECTRICAL CHARACTERISTICS: ($T_A=25^\circ\text{C}$ unless otherwise noted)

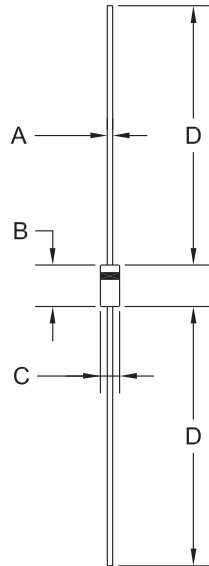
SYMBOL	TEST CONDITIONS	C1N4156		CN4157		CN5179		UNITS
		MIN	MAX	MIN	MAX	MIN	MAX	
I_R	$V_R=20\text{V}$	-	10	-	10	-	10	μA
V_F	$I_F=1.0\text{mA}$	1.21	1.41	1.85	2.05	2.20	2.80	V
V_F	$I_F=10\text{mA}$	1.38	1.58	2.12	2.32	2.60	3.20	V
V_F	$I_F=100\text{mA}$	1.54	1.84	2.36	2.66	3.00	3.70	V

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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)

MARKING: FULL PART NUMBER

R1

R2 (20-January 2016)

OUTSTANDING SUPPORT AND SUPERIOR SERVICES



PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- Inventory bonding
- Consolidated shipping options
- Custom bar coding for shipments
- Custom product packing

DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick ship samples (2nd day air)
- Online technical data and parametric search
- SPICE models
- Custom electrical curves
- Environmental regulation compliance
- Customer specific screening
- Up-screening capabilities
- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- Application and design sample kits
- Custom product and package development

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