

C1N4156
CN4157
CN5179

SILICON
FORWARD REFERENCE DIODES

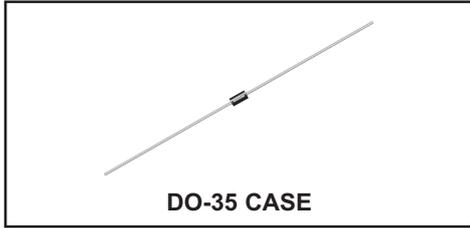


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DESCRIPTION:

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



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)

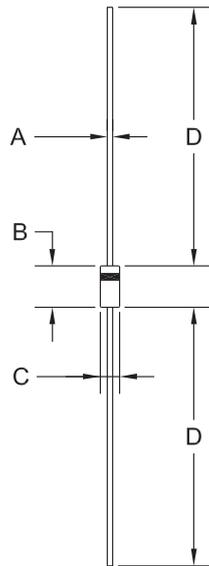
| SYMBOL | TEST CONDITIONS | C1N4156 | | CN4157 | | CN5179 | | UNITS |
|--------|--------------------|---------|------|--------|------|--------|------|---------------|
| | | MIN | MAX | MIN | MAX | MIN | MAX | |
| I_R | $V_R=20\text{V}$ | - | 10 | - | 10 | - | 10 | μA |
| V_F | $I_F=1.0\text{mA}$ | 1.21 | 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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