DESCRIPTION:
The CENTRAL SEMICONDUCTOR CMR1-02 series 1.0 Amp surface mount silicon rectifier is a highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications.

MARKING CODE: SEE MARKING CODE TABLE ON FOLLOWING PAGE

FEATURES:
- Special selections available
- High reliability
- Glass passivated chip
- “C” bend construction provides strain relief when mounted on pc board

MAXIMUM RATINGS: (T<sub>A</sub>=25°C unless otherwise noted)

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>Test Conditions</th>
<th>CMR1</th>
<th>UNITS</th>
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<tbody>
<tr>
<td>V&lt;sub&gt;RRM&lt;/sub&gt;</td>
<td>V&lt;sub&gt;R&lt;/sub&gt;</td>
<td>200</td>
<td>400</td>
</tr>
<tr>
<td>V&lt;sub&gt;R&lt;/sub&gt;</td>
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<td>400</td>
<td>600</td>
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<tr>
<td>V&lt;sub&gt;R(RMS)&lt;/sub&gt;</td>
<td>140</td>
<td>280</td>
<td>420</td>
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<tr>
<td>I&lt;sub&gt;0&lt;/sub&gt;</td>
<td>1.0</td>
<td>A</td>
<td></td>
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<tr>
<td>I&lt;sub&gt;FSM&lt;/sub&gt;</td>
<td>30</td>
<td>A</td>
<td></td>
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<tr>
<td>T&lt;sub&gt;J, Tstg&lt;/sub&gt;</td>
<td>-65 to +175</td>
<td>°C</td>
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<tr>
<td>Θ&lt;sub&gt;JL&lt;/sub&gt;</td>
<td>20</td>
<td>°C/W</td>
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ELECTRICAL CHARACTERISTICS: (T<sub>A</sub>=25°C unless otherwise noted)

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<tr>
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<td>V&lt;sub&gt;R&lt;/sub&gt;=Rated V&lt;sub&gt;RRM&lt;/sub&gt;</td>
<td>10</td>
<td>µA</td>
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<tr>
<td>I&lt;sub&gt;R&lt;/sub&gt;</td>
<td>V&lt;sub&gt;R&lt;/sub&gt;=Rated V&lt;sub&gt;R&lt;/sub&gt;RM, T&lt;sub&gt;A&lt;/sub&gt;=125°C</td>
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<td>µA</td>
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<td>1.1</td>
<td>V</td>
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SURFACE MOUNT SILICON
GENERAL PURPOSE RECTIFIERS
1.0 AMP, 200 THRU 1000 VOLT

DEVICE MARKING CODE
CMR1-02 C02
CMR1-04 C04
CMR1-06 C06
CMR1-08 C08
CMR1-10 C10

DIMENSIONS

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<td>D</td>
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<td>E</td>
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<td>H</td>
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SMB (REV: R2)
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

REQUESTING PRODUCT PLATING
1. If requesting Tin/Lead plated devices, add the suffix “TIN/LEAD” to the part number when ordering (example: 2N2222A TIN/LEAD).
2. If requesting Lead (Pb) Free plated devices, add the suffix “PBFREE” to the part number when ordering (example: 2N2222A PBFREE).

CONTACT US

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