**Features**
- DC to 2.2 GHz
- Flanged model
- Low VSWR
- Aluminum Nitride Ceramic

**Applications**
- High power RF transmission

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**General Specifications**
- Substrate: ALN
- Resistive Film: Thick Film
- Tab: Ag
- Tab Attachment: Brazed with epoxy encapsulation
- Mounting Flange: Cu plated with Ni
- Resistance: 50 W
- Tolerance: ±5%
- Packaging: 50 pcs./tray

**Absolute Ratings**
- Power: 250 W
- Frequency: 2.2 GHz
- VSWR: 1.10 Maximum

**Product Dimensions**

<table>
<thead>
<tr>
<th>Power (Watts)</th>
<th>Heat Sink Temperature (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>200</td>
</tr>
<tr>
<td>250</td>
<td>150</td>
</tr>
<tr>
<td>150</td>
<td>100</td>
</tr>
<tr>
<td>100</td>
<td>50</td>
</tr>
<tr>
<td>50</td>
<td>0</td>
</tr>
</tbody>
</table>

**Characteristic Curve**

![Graph showing characteristic curve]

**How to Order**

- **Model**: CHF9838
- **Size**: C
- **Version**: N
- **Substrate**: F = Flange
- **Mount**: Value = 500 Ohm
- **Function**: L = Termination

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*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.