Model PPC250-250A

Resistor / Termination, Chip

Frequency Range: DC to 2.5 GHz, Power: 125 Watts

Features

• High Power
• Thin Film Design
• RoHS Compliant

This high power device is designed to dissipate power in RF circuits when mounted to an appropriate heat sink.

Technical Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>DC to 2.5 GHz</td>
</tr>
<tr>
<td>Impedance/Resistance</td>
<td>50 ±5% Standard</td>
</tr>
<tr>
<td>Power Handling*</td>
<td>Type ‘X’ &amp; ‘S’ ______ 125 Watts</td>
</tr>
<tr>
<td></td>
<td>Type ‘W’ ____________ 25 Watts</td>
</tr>
</tbody>
</table>

Material

<table>
<thead>
<tr>
<th>Feature</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substrate</td>
<td>Beryllium Oxide</td>
</tr>
<tr>
<td>Resistor Material</td>
<td>Proprietary Thin Film</td>
</tr>
<tr>
<td>Terminal Finish</td>
<td>Silver – (See “How to Order” for tinning &amp; other options)</td>
</tr>
</tbody>
</table>

*Mounting surfaces shall not exceed 100°C. Max.

How to Order

ANCT250-250AW-XXXX Y

Terminal Options

□ = Silver over Nickel
T = Tin Lead Solder
H = Lead Free Solder

Ohm Value

50R0 = 50 Ohms
1000 = 100 Ohms

Tolerance

G = ±2%
J = ±5%

Ordering Examples

Model Number: PPC250-250AW-50R0J
Silver term, end wrap both ends, 50 Ohms; 5%

Model Number: PPCT250-250AX-1000G
Tin Lead term, No wrap, 100 Ohms; 2%
Performance Characteristics

Power Derating

% of Derated Power

0 25 50 75 100

25 50 75 100 125 150

Flange Temp (°C)

Physical Dimensions

Model Number: PPC250-250AG-50R0J shown

Tolerance: .XXX" - ±.010"

Dimensions are for substrate only and do not include terminal thickness or optional tinning thickness.

Note: Dimensions in Brackets [ ] are expressed in Millimeters and are for reference only