

# Commodity Description

Item	Heater (ESA/ESCC 4009 – 4009/002 Specification)																								
<b>Description</b>	<p>1. General</p> <ul style="list-style-type: none"> <li>- The bidder shall be the vendor or manufacturer registered in ESCC Qualified Part List (QPL).</li> <li>- Etched foil polyimide heater</li> <li>- Kapton foil heaters manufactured &amp; tested against: ESA/ESCC 4009 – 4009/002</li> <li>- Resistive layer: flexible nickel/chromium/iron alloy</li> <li>- Operating temperature: -65°C o +200 °C</li> <li>- Operating Voltage: 26V to 33V</li> <li>- Tolerance of Resistance : ± 5%</li> </ul> <p>2. Types and Quantity</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="width: 10%;">Item No.</th> <th style="width: 15%;">Resistance (ohm)</th> <th style="width: 10%;">No. of Layers</th> <th style="width: 15%;">Sizes (mm*mm)</th> <th style="width: 20%;">Lead Wire Length / Thickness</th> <th style="width: 10%;">Quantity (EA)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">60.75</td> <td style="text-align: center;">1</td> <td style="text-align: center;">152.4*25.4</td> <td style="text-align: center;">915 mm / AWG 26</td> <td style="text-align: center;">20</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">60.75+60.75</td> <td style="text-align: center;">1</td> <td style="text-align: center;">152.4*25.4</td> <td style="text-align: center;">915 mm / AWG 26</td> <td style="text-align: center;">45</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">56.08+56.08</td> <td style="text-align: center;">1</td> <td style="text-align: center;">152.4*25.4</td> <td style="text-align: center;">915 mm / AWG 26</td> <td style="text-align: center;">20</td> </tr> </tbody> </table> <p>3. Lead Wires</p> <ul style="list-style-type: none"> <li>- All the items will have exit type as follows:</li> </ul> <div style="text-align: center; margin: 10px 0;">  </div> <ul style="list-style-type: none"> <li>- Leads exit centrally from width (W) side.</li> <li>- Leads will be ESA 3901/020-03 2μ AG AWG26 straight.</li> <li>- All the items will NOT have additional aluminum foil and P.S.A.</li> </ul> <p>4. The following data shall be delivered with the Heaters shipment. The data shall include, but not be limited to, the followings:</p> <ul style="list-style-type: none"> <li>- KARI purchase order number, Part number and serial number</li> <li>- ESCC Part number and Lot identification</li> <li>- Quantity shipped</li> <li>- Weight</li> <li>- Certificate of Conformance</li> <li>- Test Reports (in-production and screening test)</li> </ul>	Item No.	Resistance (ohm)	No. of Layers	Sizes (mm*mm)	Lead Wire Length / Thickness	Quantity (EA)	1	60.75	1	152.4*25.4	915 mm / AWG 26	20	2	60.75+60.75	1	152.4*25.4	915 mm / AWG 26	45	3	56.08+56.08	1	152.4*25.4	915 mm / AWG 26	20
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