

## Specifications for Asahi Sn63Pb37 (FC5000) Core Wire

<p><b>1) Alloy Composition:</b> <i>Standard</i></p>	<p><b>Sn63Pb37</b> <i>JIS Z 3282: 2006 (Wt%)</i></p>																
<p>Sn</p> <p>Pb</p> <p>Sb</p> <p>Bi</p> <p>Cd</p> <p>Cu</p> <p>Au</p> <p>In</p> <p>Ag</p> <p>Al</p> <p>As</p> <p>Fe</p> <p>Ni</p> <p>Zn</p>	<p>63 +/- 0.5</p> <p>Remainder</p> <p>0.20 max</p> <p>0.10 max</p> <p>0.002 max</p> <p>0.08 max</p> <p>0.05 max</p> <p>0.10 max</p> <p>0.10 max</p> <p>0.001 max</p> <p>0.03 max</p> <p>0.02 max</p> <p>0.01 max</p> <p>0.001 max</p>																
<p><b>2) Physical Characteristics:</b></p> <p>Specific Gravity</p> <p>Liquidus Temperature</p> <p>Solidus Temperature</p>	<p>8.42</p> <p>183 °C</p> <p>183 °C</p>																
<p><b>3) Core Flux Characteristics:</b></p> <p>Flux Activity Classification</p> <p>Flux Content (wt%)</p> <p>Copper Mirror Test</p> <p>Spread Factor</p> <p>Surface Insulation Resistance (85°C / 85 %RH)</p> <p>Water Extract Resistivity</p>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><i>Specifications</i></th> <th style="text-align: left;"><i>Standards / Test Methods</i></th> </tr> </thead> <tbody> <tr> <td>ROLO</td> <td>IPC J-STD-004A</td> </tr> <tr> <td>2.1 +/- 0.2</td> <td>Singapore Asahi</td> </tr> <tr> <td>Classified as "L", Pass</td> <td>IPC-TM-650 2.3.32 JIS Z 3197: 1999 8.4.2</td> </tr> <tr> <td>&gt;90% (Sn63Pb37)</td> <td>JIS Z 3197: 1999 8.3.1.1</td> </tr> <tr> <td>&gt;1 x 10<sup>8</sup> Ω</td> <td>IPC-TM-650 2.6.3.3</td> </tr> <tr> <td>&gt;1 x 10<sup>11</sup> Ω</td> <td>JIS Z 3197: 1999 8.5.4</td> </tr> <tr> <td>&gt;1 x 10<sup>4</sup> Ω-cm</td> <td>JIS Z 3197: 1999 8.1.1</td> </tr> </tbody> </table>	<i>Specifications</i>	<i>Standards / Test Methods</i>	ROLO	IPC J-STD-004A	2.1 +/- 0.2	Singapore Asahi	Classified as "L", Pass	IPC-TM-650 2.3.32 JIS Z 3197: 1999 8.4.2	>90% (Sn63Pb37)	JIS Z 3197: 1999 8.3.1.1	>1 x 10 <sup>8</sup> Ω	IPC-TM-650 2.6.3.3	>1 x 10 <sup>11</sup> Ω	JIS Z 3197: 1999 8.5.4	>1 x 10 <sup>4</sup> Ω-cm	JIS Z 3197: 1999 8.1.1
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<p><b>4) Standard Packing:</b></p> <p>( ) 0.25 kg per roll. 100 rolls per carton.</p> <p>( ) 0.5 kg per roll. 50 rolls per carton.</p> <p>( ) 1 kg per roll. 20 rolls per carton.</p>																	

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