

Specifications for Asahi Sn63Pb37 (FC5000) Core Wire

| <p>1) Alloy Composition:</p> <p>Standard</p> | <p>Sn63Pb37</p> <p>JIS Z 3282: 2006 (Wt%)</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>2) Physical Characteristics:</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>3) Core Flux Characteristics:</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;">Specifications</th> <th style="text-align: left;">Standards / Test Methods</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>>90% (Sn63Pb37)</td> <td>JIS Z 3197: 1999 8.3.1.1</td> </tr> <tr> <td>>1 x 10⁸ Ω</td> <td>IPC-TM-650 2.6.3.3</td> </tr> <tr> <td>>1 x 10¹¹ Ω</td> <td>JIS Z 3197: 1999 8.5.4</td> </tr> <tr> <td>>1 x 10⁴ Ω-cm</td> <td>JIS Z 3197: 1999 8.1.1</td> </tr> </tbody> </table> | Specifications | Standards / Test Methods | 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 ⁸ Ω | IPC-TM-650 2.6.3.3 | >1 x 10 ¹¹ Ω | JIS Z 3197: 1999 8.5.4 | >1 x 10 ⁴ Ω-cm | JIS Z 3197: 1999 8.1.1 |
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| >1 x 10 ⁴ Ω-cm | JIS Z 3197: 1999 8.1.1 | | | | | | | | | | | | | | | | |
| <p>4) Standard Packing:</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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