

**T-3018W**
*Component Lead Tinning Flux*

**Product Description**

Hasaconi T-3018W Component Lead Tinning Flux is a low solid content flux formulated with high purity specialty chemicals for improved activity and surface tension reduction capacities. This flux is halide-free, water-based flux designed for dipping applications on component leads made of nickel-iron (Alloy 42), nickel, and copper. The residue can be easily removed with hot deionised water or soft water at 40 - 50 °C.

**Application**

T-3018W is specially formulated for dipping application. A uniform coat of flux is required for consistent and optimum solderability. This flux is compatible with both SnPb and lead free solders.

**Residue Removal**

The residue left after soldering is hygroscopic and ionisable. Complete residue removal immediately after soldering is recommended. Removal of the residue can best be achieved with water at a minimum temperature of 40°C, followed by a final deionised water rinse.

**Recommended Solvent**

No solvent is required.

**Health and Safety**

Observe standard precautions for handling and use, such as well-ventilated areas and avoidance of prolonged or repeated contact with the skin. For more information, please refer to the Material Safety Data Sheet.

**Storage**

Under proper storage condition, T-3018W can be stored for about 6 months.

**Packaging**

Available in 20kg/carboy.

**Specification**

| <b>Item</b>                             | <b>Result</b>                |
|---|------------------------------|
| State                                   | Liquid                       |
| Colour                                  | Light Yellowish              |
| Specific Gravity @ 22°C                 | 1.066 +/- 0.005              |
| <small>JIS Z 3197 8.2.2</small>         |                              |
| Non-volatile Solid Content (110°C, 3hr) | 14.1 +/- 0.5 wt%             |
| <small>IPC-TM-650 2.3.34</small>        |                              |
| <small>JIS Z 3197 8.1.3</small>         |                              |
| Halide Content                          | Not added                    |
| <small>JIS Z 3197 8.1.4.2.1</small>     |                              |
| Water Extract Resistivity               | > 1 x 10 <sup>4</sup> Ω-cm   |
| <small>JIS Z 3197 8.1.1</small>         |                              |
| Acid Value Test                         | 125.7 +/- 5 mg KOH/g flux    |
| <small>IPC-TM-650 2.3.13</small>        |                              |
| <small>JIS Z 3197 8.1.4.1</small>       |                              |
| Copper Corrosion Test                   | Pass                         |
| <small>IPC-TM-650 2.6.15</small>        |                              |
| <small>JIS Z 3197 8.4.1</small>         |                              |
| Spread Factor                           | > 80% (SnPb)<br>> 70% (SCS7) |
| <small>JIS Z 3197 8.3.1.1</small>       |                              |
| Surface Finish                          | Slightly Matte               |

**DISCLAIMER OF LIABILITY**

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