



PROCESS APPLICATION GUIDE

TIN ALLOY PROCESS SELECTOR GUIDE

PLEASE NOTE: This document is for guidance only.
Please refer to the appropriate Technical Data Sheet for additional information.

Rev 1215

TIN ALLOY PLATING PROCESS SELECTOR GUIDE

| Process | Deposit Appearance | Applications/ Market | Composition | | Current Density Range | Comments |
|----------------------|--------------------|--|-----------------------|-------------|-------------------------------|---|
| | | | Alloy | Electrolyte | | |
| Techni NF JM 6000 LS | Matte | Low speed rack and barrel plating | 90/10 to 60/40 Sn/Pb | MSA | 0.1 - 4 ASD 1 - 40 ASF | Wide CD range, Sn/Pb plating process based on MSA technology. Requires solution heating to 115°F/46°C. |
| Technibrite TL-12 | Bright | Rack/barrel and reel-to-reel | 90/10 to 60/40 Sn/Pb | MSA | 0.1 - 12.5 ASD 1 - 125 ASF | Full bright, excellent low current density brightness, wide range of alloy and current density. |
| Techni NF JM 6000 | Matte | Continuous strip - high speed reel-to-reel | 90/10 to 60/40 Sn/Pb | MSA | 10 - 40 ASD 100 - 400 ASF | Wide CD range, Sn/Pb plating process based on MSA technology. Requires solution heating to 95-131°F/ 35-55°C. |
| Ceramistan DM | Matte | Passive component plating | 90/10 to 60/40 Sn/Pb | MSA | 0.05 - 2 ASD 0.5 - 20 ASF | Matte tin or tin/lead plating process for standard chip capacitor/chip resistor plating applications. Suitable for barrel plating or SBE equipment. |
| Techni NF JB 3500 | Bright | Continuous strip - high speed reel-to-reel | 90/10 to 70/30 Sn/Pb | MSA | 15 - 30 ASD 150 - 300 ASF | Mirror bright Sn/Pb MSA based process. Designed for high speed applications. Excellent alloy distribution. |
| Techni Tin-Nickel | Bright | Rack/barrel and medium speed reel-to-reel | 65/35 Sn/Ni | Chloride | 0.5 - 8 ASD 5 - 80 ASF | Bright 65/35 tin-nickel deposits which exhibit good corrosion resistance and lubricity. Attractive chrome-like appearance. |
| Technistan Ag | Bright | Medium speed reel-to-reel | 93-99% Sn, balance Ag | MSA | 7.5 - 2.5 ASD 75 - 250 ASF | Recommended where tin-silver is specified |