



TCHERNOVCABLE SFS/AG (Super Flux Silver Solder) Made For Audio

| NO | Item | Specification | Standard |
|----|----------------------|--|--------------------|
| 1 | Appearance | Bright and shiny surface finishes | |
| 2 | Alloy | Sn60/Pb38/Ag2 | JIS-Z-3282 A CLASS |
| 3 | Melting Point | 180°C | DSC |
| 4 | Flux Content | 2.0±1 % | JIS-Z-3283 |
| 5 | Halide Content | 0.5~1.0% | JIS-Z-3283 |
| 6 | Spread ability | > 80% | JIS-Z-3197 |
| 7 | Gravity | 8.5 | |
| 8 | Packaging | 500g | JIS-Z-3283 |
| 9 | Diameters Tolerances | 0.8 ± 0.1 mm | JIS-Z-3283 |
| 10 | Flux Type | ROL1 | J-STD-004 |
| 11 | Features | Excellent solder joint reliability. Superior joint strength. Excellent thermal & Mechanical fatigue resistance. Low cleaning required after solder joint | |
| 12 | Purpose | For use in applications requiring good activation. | |

Physical Properties & Reliability Data

| No | Test Item | Test Result | Test Method |
|----|------------------------|-------------------------|----------------------|
| 1 | Silver Chromate Test | PASS | IPC-TM-650, 2.6.33 |
| 2 | Copper Mirror Test | PASS | IPC-TM-650, 2.6.32 |
| 3 | Copper plate Corrosion | PASS | JIS-Z-3197, 6.6.1 |
| 4 | S.I.R Test | 1×10 ⁹ up | IPC-TM-650, 2.6.3.3 |
| 5 | Electro migration Test | 1×10 ^{9/12} up | IPC-TM-650, 2.6.14.1 |

ALLOY COMPOSITION

| (Sn) | (Pb) | (Ag) | (Sb) | (Cu) | (Bi) | (Zn) | (Fe) | (Al) | (As) | (Cd) |
|------|------|------|-------------|-------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 60.5 | REM | 1.5 | 0.12 MAX | 0.05 MAX | 0.10 MAX | 0.002 MAX | 0.02 MAX | 0.002 MAX | 0.03 MAX | 0.002 MAX |

COMPOSITION, INFORMATION OR INGREDIENT

| Components-Chemical Name | wt.% | CAS No. |
|--------------------------|-------|-------------------------------|
| Sn60/Pb38/Ag2 | 98% | 7440-31-5/7439-92-1/7440-22-4 |
| Rosin | 1.80% | 8050-09-7 |
| Activator | 0.03% | N.E* |
| Other composition | 0.17% | N.E* |

*N.E = Not established