

Technical Bulletin

SN100C NC601 SOLDER

DESCRIPTION:

POWER CORE SN100C NC601 wire solder is a RA activated No Clean for repairing through-hole, mixed and surface mount assemblies. The flux core provides faster and better fluxing activity than RA flux cores. NC601 flux is formulated to provide clear, colorless residues, maximum activity and high reliability without cleaning in most situations.

APPLICATION:

POWER CORE NC601 is suitable for use in any commercial hand soldering application. POWER CORE NC601 is ideal for difficult to solder metals such as brass, nickel and severely oxidized copper.

If the flux residue must be removed, FCT Assembly RA2000 Saponifier is effective in a 10% solution in water or SC101 Cleaner can be used at room temperature.

PHYSICAL PROPERTIES

ALLOY
 APPEARANCE
 FLUX TYPE
 FLUX RATING (J-STD004)
 FLUX CONTENT
 CHLORINE CONTENT
 SPREAD FACTOR
 COPPER PLATE CORROSION
 STORAGE

VALUES

Tin 99.3%, Copper 0.7%, Nickel
 Clear, colorless Flux
 RA
 ROM1
 2-3%
 0.5%
 Over 85
 PASS
 Keep in cool dry place

Surface Insulation Resistance (SIR) test was carried out according to J-STD-004 and IPC-TM-650 method 2.6.3.3.

<i>Reference</i>	<i>Property</i>	<i>Average Value</i>	<i>Pass-Fail Criteria</i>	<i>Result</i>
IPC-TM-650 method 2.6.3.3. §5.5.1	Control coupons	3.43E+09	>1E+9 Ω at 24,96 and 168 Hours	PASS
J-STD-004 §3.2.4.5.1	Sample coupons	1.07E+09	>1E+8 Ω at 24,96 and 168 Hours	PASS

RoHS COMPLIANCE

FCT SN100C NC601 wire solder meets the requirements of RoHS (Restriction of Hazardous Substances) Directive, 2002/95/EC Article 4 for the stated banned substances.

AVAILABILITY

POWER CORE NC601 may also be obtained in standard tin/lead or other alloys, in diameters from 0.010 to 0.125 in flux percentages from 0.5% to 3.6% on 1 lb., 5 lb. and 20 lb. spools.

Refer to MSDS for additional information.

Manufactured by



FCT Assembly