



TECHNICAL DATA SHEET

Sn97/Cu3 RA40 Flux Solder Wire



Description

RA40 Flux contains rosin activated. RA40's characteristics properties are rapid wetting and excellent flowing. RA40's residue is no-corrosive and no-conductive.

RA40 flux can be used for general electronic application soldering. It is preferred with the appropriate alloy in the connection of metal parts.

RA40 flux type classified according to J-STD-004B and EN61190-1-3 as **ROM1**.

Sn97Cu3 RA40 Lead Free solder wire products suitable for the **RoHS II** (2011/65-EU).

Sn97Cu3 RA40's advantages:

- Rapid wetting
- Excellent flowing
- No-corrosive residue
- No-conductive residue
- RoHS II

Technical Data & Physical Properties

Properties (J-STD-006B)	RA 40 Flux
Acid Value IPC-TM-650, 2.3.13	180 mg KOH / g $\pm$ %5
Corrosion Test IPC-TM-650, 2.6.15	Passed
Copper Mirror Test IPC-TM-650, 2.3.32	M
Surface insulation resistance IPC-TM-650, 2.6.3.3	$>1 \times 10^8$ Ohm
Bromide and chloride Test IPC-TM-650, 2.3.35	%1,00 $\pm$ 0,2
Silver Chromate Test IPC-TM-650, 2.3.33	Not Passed
Solid Content, flux IPC-TM-650, 2.3.34	Not detected
Fluoride after spot Test IPC-TM-650, 2.3.35.1	Passed



TECHNICAL DATA SHEET

Sn97/Cu3 RA40 Flux Solder Wire



Solder Composition:	Sn %97 ($\pm 0,15$) Cu %3 ($\pm 0,15$)
Melting Point:	230 °C Solidus 310 °C Liquidus
Density:	7,34 g/cm ³
Flux Content:	%1,5 - %2,7 - % 3
Available diameters:	from 0,4 mm

Packaging & Reels

Kurtel Sn97Cu3 RA40 Solder Wire is available in nominal weights 500 gr reels in 10 kg packages.

Reel's dimensions:

<u>Dimensions</u>	<u>500gr Reel</u>
Height	55 mm
Outside dia.	55 mm
Inside dia.	16 mm

Storage & Shelf Life

Kurtel Solder Wires should be stored in dry at room temperature. Solder wire has an indefinite shelf life.

Health & Safety

Before using please read the MSDS. Avoid contact directly by hand.