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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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## Solder Wire SAC305 No-Clean with 2.2% Flux Core 1lb Spool

### Product Highlights

**No-Clean Water-Washable** Synthetic Flux Core

The clear, non-corrosive, non-conductive residue is meant to be left on the board. Residues that do remain are water soluble if you want to remove them. Clean with hot water at 60°C (140°F) minimum.

2.2% flux core

Halogen content: None

RoHS II and REACH compliant

### Specifications

|                      |                                   |
|----------------------|-----------------------------------|
| Alloy:               | Sn96.5/Ag3.0/Cu0.5                |
| Wire Diameter:       | 0.020" (0.5mm)                    |
| Flux Type:           | No-Clean Water-Washable Synthetic |
| Flux Classification: | ROL0                              |
| Melting Point:       | 217-220°C (423-428°F)             |
| Packaging:           | 1 lb spool                        |

### Test Results

| Test J-STD-004 or other requirements as stated         | Test Requirement                                   | Result   |
|--|--|--|
| Copper Mirror  | IPC-TM-650: 2.3.32                                 | L: No breakthrough   |
| Corrosion  | IPC-TM-650: 2.6.15                                 | L: No corrosion  |
| Quantitative Halides                                   | IPC-TM-650: 2.3.28.1                               | L: <0.5%   |
| Electrochemical Migration                              | IPC-TM-650: 2.6.14.1                               | L: <1 decade drop (No-clean)   |
| Surface Insulation Resistance 85°C, 85% RH @ 168 Hours | IPC-TM-650: 2.6.3.7                                | L: ≥100MΩ (No-clean)   |
| Visual   | IPC-TM-650: 3.4.2.5                                | Clear and free from precipitation  |
| Conflict Minerals Compliance                           | Electronic Industry Citizenship Coalition (EICC)   | Compliant  |
| REACH Compliance                                       | Articles 33 and 67 of Regulation (EC) No 1907/2006 | Contains no substance >0.1% w/w that is listed as a SVHC or restricted for use in solder materials |

### Conforms to the following Industry Standards:

|   |     |
|---|-----|
| J-STD-004B, Amendment 1 (Solder Fluxes):                                    | Yes |
| J-STD-006C, Amendments 1 & 2 (Solder Alloys and Fluxed/Non-Fluxed Solders): | Yes |
| RoHS 2 Directive 2011/65/EU:  | Yes |

ChipQuik® Solder Wire Orderable Part Numbers:

| Flux Core   | Alloy         | Melting Point         | Diameter       | Size          | Orderable Part Number |                 |
|---|---------------|-----------------------|----------------|---------------|-----------------------|-----------------|
| No-Clean Water-Washable Synthetic Flux Core 2.2%<br><br>(Except .006" and .008" diameter wire which are 1.2%) | Sn63/Pb37     | 183°C (361°F)         | .015" (0.38mm) | 100g (3.5oz)  | SMDSW.015 100g        |                 |
|   |               |                       |                | 0.4 oz        | SMDSW.020 .4OZ        |                 |
|   |               |                       | .020" (0.5mm)  | 1 oz          | SMDSW.020 1OZ         |                 |
|   |               |                       |                | 2 oz          | SMDSW.020 2OZ         |                 |
|   |               |                       |                | 4 oz          | SMDSW.020 4OZ         |                 |
|   |               |                       |                | 1/2 lb        | SMDSW.020 8OZ         |                 |
|   |               |                       |                | 1 lb          | SMDSW.020 1LB         |                 |
|   |               |                       |                | .031" (0.8mm) | 0.7 oz                | SMDSW.031 .7OZ  |
|   |               |                       | 1 oz           |               | SMDSW.031 1OZ         |                 |
|   |               |                       | 2 oz           |               | SMDSW.031 2OZ         |                 |
|   |               |                       | 4 oz           |               | SMDSW.031 4OZ         |                 |
|   |               |                       | 1/2 lb         |               | SMDSW.031 8OZ         |                 |
|   | 1 lb          | SMDSW.031 1LB         |                |               |                       |                 |
|   | Sn60/Pb40     | 183-188°C (361-370°F) | .015" (0.38mm) | 100g (3.5oz)  | SMD2SW.015 100g       |                 |
|   |               |                       |                | 0.4 oz        | SMD2SW.020 .4OZ       |                 |
|   |               |                       | .020" (0.5mm)  | 1 oz          | SMD2SW.020 1OZ        |                 |
|   |               |                       |                | 2 oz          | SMD2SW.020 2OZ        |                 |
|   |               |                       |                | 4 oz          | SMD2SW.020 4OZ        |                 |
|   |               |                       |                | 1/2 lb        | SMD2SW.020 8OZ        |                 |
|   |               |                       |                | 1 lb          | SMD2SW.020 1LB        |                 |
|   |               |                       |                | .031" (0.8mm) | 0.7 oz                | SMD2SW.031 .7OZ |
|   |               |                       | 1 oz           |               | SMD2SW.031 1OZ        |                 |
|   |               |                       | 2 oz           |               | SMD2SW.031 2OZ        |                 |
|   |               |                       | 4 oz           |               | SMD2SW.031 4OZ        |                 |
|   |               |                       | 1/2 lb         |               | SMD2SW.031 8OZ        |                 |
|   |               |                       | 1 lb           |               | SMD2SW.031 1LB        |                 |
|   |               |                       | Sn62/Pb36/Ag2  | 179°C (354°F) | .015" (0.38mm)        | 100g (3.5oz)    |
| 0.4 oz  |               |                       |                |               |                       | SMD3SW.020 .4OZ |
| .020" (0.5mm)   | 1 oz          | SMD3SW.020 1OZ        |                |               |                       |                 |
|   | 2 oz          | SMD3SW.020 2OZ        |                |               |                       |                 |
|   | 4 oz          | SMD3SW.020 4OZ        |                |               |                       |                 |
|   | 1/2 lb        | SMD3SW.020 8OZ        |                |               |                       |                 |
|   | 1 lb          | SMD3SW.020 1LB        |                |               |                       |                 |
|   | .031" (0.8mm) | 0.7 oz                |                |               | SMD3SW.031 .7OZ       |                 |
| 1 oz  |               | SMD3SW.031 1OZ        |                |               |                       |                 |
| 2 oz  |               | SMD3SW.031 2OZ        |                |               |                       |                 |
| 4 oz  |               | SMD3SW.031 4OZ        |                |               |                       |                 |
| 1/2 lb  |               | SMD3SW.031 8OZ        |                |               |                       |                 |
| 1 lb  |               | SMD3SW.031 1LB        |                |               |                       |                 |

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ChipQuik® Solder Wire Orderable Part Numbers:

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| Flux Core   | Alloy              | Melting Point         | Diameter        | Size              | Orderable Part Number |
|---|--------------------|-----------------------|-----------------|-------------------|-----------------------|
| No-Clean Water-Washable Synthetic Flux Core 2.2%<br><br>(Except .006" and .008" diameter wire which are 1.2%) | Sn96.5/Ag3.0/Cu0.5 | 217-220°C (423-428°F) | .006" (0.15mm)  | 50g (1.8oz)       | SMDSWLF.006 50g       |
|   |                    |                       | .008" (0.20mm)  | 50g (1.8oz)       | SMDSWLF.008 50g       |
|   |                    |                       | .015" (0.38mm)  | 0.3 oz            | SMDSWLF.015 .3OZ      |
|   |                    |                       |                 | 1 oz              | SMDSWLF.015 1OZ       |
|   |                    |                       |                 | 2 oz              | SMDSWLF.015 2OZ       |
|   |                    |                       |                 | 4 oz              | SMDSWLF.015 4OZ       |
|   |                    |                       |                 | 1/2 lb            | SMDSWLF.015 8OZ       |
|   |                    |                       |                 | 1 lb              | SMDSWLF.015 1LB       |
|   |                    |                       | .020" (0.5mm)   | 0.4 oz            | SMDSWLF.020 .4OZ      |
|   |                    |                       |                 | 1 oz              | SMDSWLF.020 1OZ       |
|   |                    |                       |                 | 2 oz              | SMDSWLF.020 2OZ       |
|   |                    |                       |                 | 4 oz              | SMDSWLF.020 4OZ       |
|   |                    |                       |                 | 1/2 lb            | SMDSWLF.020 8OZ       |
|   |                    |                       |                 | 1 lb              | SMDSWLF.020 1LB       |
|   |                    |                       | .031" (0.8mm)   | 0.7 oz            | SMDSWLF.031 .7OZ      |
|   | 1 oz               | SMDSWLF.031 1OZ       |                 |                   |                       |
|   | 2 oz               | SMDSWLF.031 2OZ       |                 |                   |                       |
|   | 4 oz               | SMDSWLF.031 4OZ       |                 |                   |                       |
|   | 1/2 lb             | SMDSWLF.031 8OZ       |                 |                   |                       |
|   | 1 lb               | SMDSWLF.031 1LB       |                 |                   |                       |
|   | Sn99.3/Cu0.7       | 227°C (441°F)         | .012" (0.3mm)   | 100g (3.5oz)      | SMD2SWLF.012 100g     |
|   |                    |                       | .015" (0.38mm)  | 0.3 oz            | SMD2SWLF.015 .3OZ     |
|   |                    |                       |                 | 1 oz              | SMD2SWLF.015 1OZ      |
|   |                    |                       |                 | 2 oz              | SMD2SWLF.015 2OZ      |
|   |                    |                       |                 | 4 oz              | SMD2SWLF.015 4OZ      |
|   |                    |                       |                 | 1/2 lb            | SMD2SWLF.015 8OZ      |
|   |                    |                       |                 | 1 lb              | SMD2SWLF.015 1LB      |
| .020" (0.5mm)   |                    |                       | 0.4 oz          | SMD2SWLF.020 .4OZ |                       |
|   |                    |                       | 1 oz            | SMD2SWLF.020 1OZ  |                       |
|   |                    |                       | 2 oz            | SMD2SWLF.020 2OZ  |                       |
|   |                    |                       | 4 oz            | SMD2SWLF.020 4OZ  |                       |
|   |                    |                       | 1/2 lb          | SMD2SWLF.020 8OZ  |                       |
|   |                    |                       | 1 lb            | SMD2SWLF.020 1LB  |                       |
| .031" (0.8mm)   |                    |                       | 0.7 oz          | SMD2SWLF.031 .7OZ |                       |
|   |                    |                       | 1 oz            | SMD2SWLF.031 1OZ  |                       |
|   | 2 oz               | SMD2SWLF.031 2OZ      |                 |                   |                       |
|   | 4 oz               | SMD2SWLF.031 4OZ      |                 |                   |                       |
|   | 1/2 lb             | SMD2SWLF.031 8OZ      |                 |                   |                       |
|   | 1 lb               | SMD2SWLF.031 1LB      |                 |                   |                       |
| Solid Wire (No Flux)  | Sn42/Bi57/Ag1      | 138°C (281°F)         | .030" (0.762mm) | 32 feet           | SMDSWLTLP32           |
|   | In100              | 157°C (315°F)         | .031" (0.8mm)   | 10 feet           | SMDIN100              |
|   | In52/Sn48          | 118°C (244°F)         | .031" (0.8mm)   | 10 feet           | SMDIN52SN48           |
|   | In97/Ag3           | 143°C (289°F)         | .031" (0.8mm)   | 10 feet           | SMDIN97AG3            |