

## Solder Wire SAC305 No-Clean with 1.2% Flux Core 20g 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.

1.2% flux core

Halogen content: None

**RoHS 3 and REACH compliant**

**ULTRA THIN SERIES**

### Specifications

Alloy:	Sn96.5/Ag3.0/Cu0.5
Wire Diameter:	0.004" (0.1mm)
Flux Type:	No-Clean Water-Washable Synthetic
Flux Classification:	ROL0
Melting Point:	217-220°C (423-428°F)
Packaging:	20g spool
Shelf Life:	>60 months



### 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: <0.05%
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 3 Directive (EU) 2015/863:	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%  (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
			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
			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)	SMD3SW.015 100g
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:** (Continued from previous page)

Flux Core	Alloy	Melting Point	Diameter	Size	Orderable Part Number			
No-Clean Water-Washable Synthetic Flux Core 2.2% (Except .004", .006" and .008" diameter wire which are 1.2%)	Sn96.5/Ag3.0/Cu0.5	217-220°C (423-428°F)	.004" (0.1mm)	20g (0.7oz)	SMDSWLF.004 20g			
				1g	SMDSWLF.006 1g			
			.006" (0.15mm)	2g	SMDSWLF.006 2g			
				5g	SMDSWLF.006 5g			
				10g	SMDSWLF.006 10g			
				50g (1.8oz)	SMDSWLF.006 50g			
			.008" (0.20mm)	50g (1.8oz)	SMDSWLF.008 50g			
				0.3 oz	SMDSWLF.015 .3OZ			
			.015" (0.38mm)	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						
	.031" (0.8mm)	1 lb	SMDSWLF.020 1LB					
		0.7 oz	SMDSWLF.031 .7OZ					
		1 oz	SMDSWLF.031 1OZ					
		2 oz	SMDSWLF.031 2OZ					
		4 oz	SMDSWLF.031 4OZ					
	Sn99.3/Cu0.7	227°C (441°F)	.012" (0.3mm)	100g (3.5oz)	SMD2SWLF.012 100g			
				0.3 oz	SMD2SWLF.015 .3OZ			
			.015" (0.38mm)	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				
.031" (0.8mm)			1 lb	SMD2SWLF.020 1LB				
			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)	In52/Sn48	118°C (244°F)	.031" (0.8mm)	10 feet	SMDIN52SN48
				In97/Ag3	143°C (289°F)	.031" (0.8mm)	10 feet	SMDIN97AG3
				In100	157°C (315°F)	.031" (0.8mm)	10 feet	SMDIN100
	Sn42/Bi57/Ag1	138°C (281°F)	.030" (0.762mm)	32 feet	SMDSWLTLP32			
No-Clean Rosin-Activated Flux Core 2.2%	Sn42/Bi57/Ag1	138°C (281°F)	.040" (1.0mm)	10g (0.35oz)	SMDSWLT.040 10g			
				20g (0.7oz)	SMDSWLT.040 20g			
				50g (1.8oz)	SMDSWLT.040 50g			
				100g (3.5oz)	SMDSWLT.040 100g			
				200g (7.0oz)	SMDSWLT.040 200g			
No-Clean Rosin-Activated Flux Core 2.2%	Sn42/Bi57.6/Ag0.4	138°C (281°F)	.040" (1.0mm)	10g (0.35oz)	SMD2SWLT.040 10g			
				20g (0.7oz)	SMD2SWLT.040 20g			
				50g (1.8oz)	SMD2SWLT.040 50g			
				100g (3.5oz)	SMD2SWLT.040 100g			
				200g (7.0oz)	SMD2SWLT.040 200g			
No-Clean Rosin-Activated Flux Core 2.2%	Sn42/Bi58	138°C (281°F)	.040" (1.0mm)	10g (0.35oz)	SMD3SWLT.040 10g			
				20g (0.7oz)	SMD3SWLT.040 20g			
				50g (1.8oz)	SMD3SWLT.040 50g			
				100g (3.5oz)	SMD3SWLT.040 100g			
				200g (7.0oz)	SMD3SWLT.040 200g			

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