

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:	RELO
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
	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
	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			
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
No-Clean Rosin-Activated Flux Core 2.2%	Sn42/Bi57/Ag1	138°C (281°F)	.040" (1.0mm)	32 feet	SMDSWLTLP32
				10g (0.35oz)	SMDSWLT.040 10g
				20g (0.7oz)	SMDSWLT.040 20g
				50g (1.8oz)	SMDSWLT.040 50g
				100g (3.5oz)	SMDSWLT.040 100g
No-Clean Rosin-Activated Flux Core 2.2%	Sn42/Bi57.6/Ag0.4	138°C (281°F)	.040" (1.0mm)	200g (7.0oz)	SMDSWLT.040 200g
				10g (0.35oz)	SMD2SWLT.040 10g
				20g (0.7oz)	SMD2SWLT.040 20g
				50g (1.8oz)	SMD2SWLT.040 50g
				100g (3.5oz)	SMD2SWLT.040 100g
No-Clean Rosin-Activated Flux Core 2.2%	Sn42/Bi58	138°C (281°F)	.040" (1.0mm)	200g (7.0oz)	SMD2SWLT.040 200g
				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				