Product data sheet

BALVER ZINN®

SN97C-Brilliant-B2012

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Language English
SDS 950202

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SUMMARY

The ROL0 classified, halide-free, no-clean solder wire Brilliant B2012 is specifically designed for lead-free repair and rework soldering.

Solder Wire	SN97C-Brilliant-B2012
PROCESS	
No-Clean process	9
Post-solder cleaning	9
Water soluble	1

INDUSTRY APPLICATION	
Standard electronics	6
Industrial electronics	8
Hi-Rel electronics (automotive)	9

PROCESS CAPABILITY	
Manual soldering	9
Robot soldering	9
Laser soldering	7
Wetting properties	9
Wetting time	9
Solderball formation	7
Flux spattering	7
Smoke formation	8
Tip lifetime	8
Shiny joint appearance	7
Cosmetic cleanliness	9
ICCT compatible	9
Conformal coating	7

Legend	
Especially made for this purpose	9 - 10
Generally qualified for this purpose	7 - 8
Generally usable, but not the best choice	5 - 6
Generally not usable for this purpose	3 - 4
Wrong choice	1 - 2

Check material compatibility with every process change!

Industrial chemical product.

Read MSDS before use.

CLASSIFICATION	
DIN-EN-ISO-9454-1: 2016	1231
IPC-J-STD-004-A: 2004	ROL0

PROPERTIES		
Flux code		B2012
Alloy code		SN97C
Alloy composition		SnAg3Cu0.5
Liquidus	[°C]	220
Solidus	[°C]	217
Recommended soldering temp.	[°C]	320 - 370
Acid number	[mg KOH/g]	220
Flux content	[% w/w]	2.2
Residues		Colorless

TEST REPORTS			
Certificate of Compliance			Website
Declaration of Conformity 2011/65/EU (RoHS)			Website
Application Note			EN/DE
Copper Mirror	IPC-TM-650 2.3.32		Pass
Halides	IPC-TM-650 2.3.33	[Silver Chromate]	Pass
Halide	IPC-TM-650 2.3.35.1	[Fluoride by Spot]	Pass
Copper Corrosion	IPC-TM-650 2.6.15		Pass
SIR	IPC-TM-650 2.6.3.3		Pass
ECM	IPC-TM-650 2.6.14.1		Pass

PACKAGING AND STORAGE		
Reels		
Label	K63	BZ
Weight [kg]	0.4	0.25 / 0.5 / 1.0
Height [mm]	63	80
External diameter [mm]	63	76
Internal diameter [mm]	11	30
Reels per carton	10	10
Standard wire diameter [mm]	⌀	0.3 - 3.5
Minimum shelf-life in months	20-25 °C	60

Disclaimer:
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