

S6M-XM3S

Rev: 15.1

Date	2021.06.28
Language	English
SDS	950705



SUMMARY

SnPb -No-Clean solder paste - Anti tombstoning

PASTE	S6M-XM3S
PROCESS	
No-Clean process	9
Post-solder cleaning	4

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

PROCESS CAPABILITY	
Squeegee	9
ProFlow	8
Pb-free Profile Air, short	4
Pb-free Profile Air, long	1
Pb-free process N2	6
Vapor phase process	9
Shiny joint appearance	6
Cosmetic cleanliness	9
ICCT compatible	9
Conformal coating	9

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

Check material compatibility with every process change!

Industrial chemical product.

Read MSDS before use.

Product contains SVHC substance Lead with more than 0,1 Mass%.

CLASSIFICATION	
DIN-EN-29454-1: 1994	1.2.2.C
IPC-J-STD-004-A: 2004	REL1
IPC-J-STD-005: 1995 (Powder)	T3
Particle size	[µm] 25-45

PROPERTIES		
Flux code	M3S	
Alloy Code	S6M	
Alloy composition	Sn62.5Pb36.5Ag1	
Liquidus	[°C]	183
Solidus	[°C]	179
Recommended peak temp.	[°C]	205-225
Acid number	[mg KOH/g]	80.7
Flux	[% w/w]	9.7
Residues	Colorless	
Tackiness Malcom TK1	JIS-Z-3284	[gf] @ 0h 110

TEST REPORTS	
IPC/ANSI-J-STD-005	Compliant
Certificate of Compliance	Website
Declaration of Conformity 2011/65/EU (RoHS)	No
Application Note	EN/DE

PACKAGING AND STORAGE		
Packaging jar	PP [g]	500
Packaging cartridge	HDPE [g]	650
Packaging cartridge	HDPE [g]	1300
Packaging Cassette Pro-Flow	[g]	850
Minimum shelf-life in months	4-10 °C	6

Disclaimer:

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