

ROSIN CORE SOLDER WIRE – PRODUCT DATA SHEET

Code Numbers: D01681-D01684, D03346-D03351

NO	Item	Specification	Standard
1	Appearance	Bright and shiny surface finishes	
2	Alloy	Sn60/Pb40	JIS-Z-3282 A CLASS
3	Melting Point	190°C	DSC
4	Flux Content	2.0±1%	JIS-Z-3283
5	Halide Content	0.5~1.0%	JIS-Z-3283
6	Spread Ability	>80%	JIS-Z-3197
7	Gravity	8.5	
8	Packaging	200g, 250g, 500g, 1kg/Reel	JIS-Z-3283
9	Diameters Tolerances	0.3~0.6±0.05mm, 0.8~1.6±0.1mm	JIS-Z-3283
10	Flux Type	ROL1	J-STD-004
11	Features	Excellent solder joint reliability. Superior joint strength. Excellent thermal & Mechanical fatigue resistance. Low cleaning required after solder joint.	
12	Purpose	For use in applications requiring good activation.	

Physical Properties & Reliability Data

NO	Test Item	Test Result	Test Method
1	Silver Chromate Test	PASS	IPC-TM-650, 2.6.33
2	Copper Mirror Test	PASS	IPC-TM-650, 2.6.32
3	Copper Plate Corrosion	PASS	JIS-Z-3197, 6.6.1
4	S.I.R Test	1x10 ⁹ up	IPC-TM-650, 2.6.3.3
5	Electro Migration Test	1x10 ⁹¹² up	IPC-TM-650, 2.6.14.1

Alloy Composition

(Sn)	(Pb)	(Sb)	(Cu)	(Bi)	(Zn)	(Fe)	(Al)	(As)	(Cd)
59~61	REM	0.12 MAX	0.05 MAX	0.1 MAX	0.002 MAX	0.02 MAX	0.002 MAX	0.03 MAX	0.002 MAX

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