



AVI PRECISION ENGINEERING PTE LTD

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Product Data sheet



**LEAD-FREE
CORE WIRE**

Product Data Sheet

Code Number : **PF606-R**

NO	Item	Specification	Standard
1	Appearance	Bright and shiny surface finishes	
2	Alloy	Sn/Ag3.0/Cu0.5/X	JIS-Z-3282 A CLASS
3	Melting Point	217~219°C	DSC
4	Flux Content	3.0 ± 0.5 %	JIS-Z-3283
5	Halide Content	Under 0.1%	JIS-Z-3283
6	Gravity	7.4	
7	Spread ability	> 75%	JIS-Z-3197
8	Packaging	200g, 250g, 500g, 1kg/Rool	JIS-Z-3283
9	Diameters Tolerances	0.3~0.6 ± 0.05 mm , 0.8~1.6 ± 0.1 mm	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.	
13	Shelf life	1 year	

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	1 × 10 ⁹ up	IPC-TM-650, 2.6.3.3
5	Electro migration Test	1 × 10 ⁹ up	IPC-TM-650, 2.6.14.1

ALLOY COMPOSITION

(Sn)	(Ag)	(Cu)	(Ni)	(Ge)	(Zn)	(Al)	(Sb)	(Fe)	(As)	(Bi)	(Cd)	(Pb)
REM.	2.7~ 3.3	0.3~ 0.7	0~ 0.01	0~ 0.01	0.002 MAX	0.002 MAX	0.12 MAX	0.02 MAX	0.03 MAX	0.10 MAX	0.002 MAX	0.05 MAX

Patent No. : Japanese Patent No. 3296289 ◦ U.S Patent No. 6179935B1.