

Lead Free Core Wire Data Sheet

Rev: 2009/01/16 Rev.8

Model: PF604-R

NO	Item	Specification	Standard
1	Appearance	Bright and shiny surface finishes.	
2	Alloy	Sn/ Cu0.7	JIS-Z-3282
3	Melting Point	227~228°C	DSC
4	Flux Content	3.0 ±1.0 %	JIS-Z-3283
5	Halide Content	Under 0.5%	JIS-Z-3197
6	Gravity	7.3	
7	Spread ability	> 75%	JIS-Z-3197
8	Packaging	0.5、1、5、10kg/Roll	JIS-Z-3283
9	Diameters Tolerances	0.3~0.6± 0.05 mm、0.8~3.0 ± 0.1 mm.	JIS-Z-3283
10	Features	Excellent solder joint reliability. Superior joint strength. Excellent thermal & Mechanical fatigue resistance. Low cleaning required after solder joint.	
11	Purpose	For use in applications requiring good activation.	
12	Storage, Handling, and Shelf Life:	Storage must be in a dry, non-corrosive and shine environment. Avoids the oxidant, the acid and the hydrogen peroxide. Shelf life is 2 years from date of manufacture.	

Physical Properties & Reliability Data

No	Test Item	Test Result	Test Method
1	Copper Mirror Test	PASS	IPC-TM-650, 2.3.32
2	Copper plate Corrosion	PASS	JIS-Z-3197, 6.6.1
3	S.I.R Test	PASS 1×10 ¹⁰ up	IPC-TM-650, 2.6.3.3
4	Electrochemical migration Test	PASS 1×10 ¹⁰ up	IPC-TM-650, 2.6.14.1

Alloy Composition(%)

Sn	Cu	Ag	Ni	Bi	Zn	Al	Sb	Fe	As	Cd	Pb	In	Au
Rem.	0.5~ 0.9	0.1 MAX	0~ 0.01	0.1 MAX	0.001 MAX	0.001 MAX	0.05 MAX	0.02 MAX	0.03 MAX	0.002 MAX	0.05 MAX	0.10 MAX	0.05 MAX

All alloy of SHENMAO' products were to conform to SONY Green Partner and comply RoHS requirement.

HEADQUARTER: SHENMAO TECHNOLOGY INC.

Add: No.12-1 Gongye 2nd Rd., Guanyin industrial area, Taoyuan County 328, Taiwan

Tel: (886)3-416-0177

Fax: (886)3-416-0133

Mail: sales@shenmao.com

BRANCHES:

Please refer to our website.

Website: <http://www.shenmao.com>