

FPC Technical Data

Item	Single Sided P.C.B.	Conductive Carbon P.C.B.	Double Sided P.C.B.	Flexible F.P.C		High Frequency P.C.B PTFE
				Polyester	Polyimide	
Max. Board Size	450×600 mm	300×350 mm	480×610 mm	500×5000 mm	500×5000 mm	450×500 mm
Board Thickness	0.5~2.0mm	0.6~2.0mm	0.3~2.5mm	>0.065mm	>0.04mm	≥0.5mm
Min. Track Width	0.2mm	0.2mm	0.15mm	0.05mm	0.05mm	0.25mm
Min. Space	0.15mm	0.20mm	0.13mm	0.05mm	0.05mm	0.20mm
Min. Hole Size	0.6mm	0.6mm	0.3mm	0.25mm	0.25mm	0.6mm
PTH Wall Thickness			>0.025mm	>0.025mm	>0.025mm	>0.025mm
PTH Hole Dia. Tolerance	φ >0.8mm		±0.10mm	±0.10mm	±0.10mm	±0.15mm
	φ ≤0.8mm		±0.05mm	±0.05mm	±0.05mm	±0.08mm
Hole Position Deviation	±0.10mm	±0.1mm	±0.05mm	±0.05mm	±0.05mm	±0.08mm
Highest Layer					6	
Min Outline Tolerance	±0.25mm	±0.20mm	±0.15mm	±0.20mm	±0.03mm	±0.25mm
Insulation Resistance	1×10 ¹¹ Ω	1×10 ¹⁰ Ω	1×10 ¹² Ω	1×10 ¹⁰ Ω	1×10 ¹⁰ Ω	1×10 ¹¹ Ω
Through Hole Resistance (Normal)			<1 Ω	<0.5 Ω	<0.5 Ω	<1 Ω
Dielectric Strength	AC 1200V/mm	AC 1100V/mm	AC 1300V/mm	AC 1000V/mm	AC 1100V/mm	AC 1100V/mm
Peel-off Strength	0.8N/mm	0.8N/mm	1.1N/mm	0.8N/mm	0.8N/mm	0.8N/mm
Solder Mask Abrasion	>3H	>3H	>3H	>3H	>3H	
Thermal Stress	260℃ 10(Sec)	260℃ 10(Sec)	260℃ 20(Sec)	240℃ 5(Sec)	260℃ 10(Sec)	260℃ 10(Sec)
Dielectric Constant (1MHz)	<5.5	<5.5	<5.4	<4.0	<3.5	2.6~2.8
Conductive Carbon Resistance		≤30 Ω/□				
Copper/Conductive Carbon Insulation resistance (Normal)		1×10 ¹⁰ Ω				
Flammability	Resist	94V0	94V0		94V0	94V0
	Non Resit	94HB	94HB	94HB		
Flexibility R=7 180° 1000times				No break line fold	No break line fold	
Resist-twist				100 Times	100 Times	
E-Test Voltage	10~250V	10~250V	10~250V	10~100V	10~100V	10~250V



Northbrook Division
333 Plingsten Road
Northbrook, IL 60062-2096 USA
www.ul.com
tel: 1 847 272 8800
fax: 1 847 272 8129
Customer service: 1 877 854 3577

File E253656

Vol 1

Issued: 2005-04-15
Revised:

FOLLOW-UP SERVICE PROCEDURE
(TYPE R)

COMPONENT - WIRING, PRINTED-FLEXIBLE MATERIAL
CONSTRUCTIONS
(ZPKK2)

Manufacturer: FASTO (ZHANGZHOU) ELECTRONIC CO LTD
(126240-001) HI-TECH INNOVATION CENTRE BLDG
GANGQIAO
ZHANGZHOU
FUJIAN 363000 CHINA

Applicant: SAME AS MANUFACTURER
(126240-001)

Recognized Company: SAME AS MANUFACTURER
(126240-001)

This Procedure authorizes the above Manufacturer to use the marking specified by Underwriters Laboratories Inc. only on products covered by this Procedure, in accordance with the applicable Follow-Up Service Agreement.

The prescribed Mark or Marking shall be used only at the above manufacturing location on such products which comply with this Procedure and any other applicable requirements.

The Procedure contains information for the use of the above named Manufacturer and representatives of Underwriters Laboratories Inc. and is not to be used for any other purpose. It is lent to the Manufacturer with the understanding that it is not to be copied, either wholly or in part, and that it will be returned to Underwriters Laboratories Inc. upon request.

This PROCEDURE, and any subsequent revisions, is the property of UNDERWRITERS LABORATORIES INC. and is not transferable.

UNDERWRITERS LABORATORIES INC.

A.W. Schaefer
Sr. Vice President
Global Services and Administration

N

