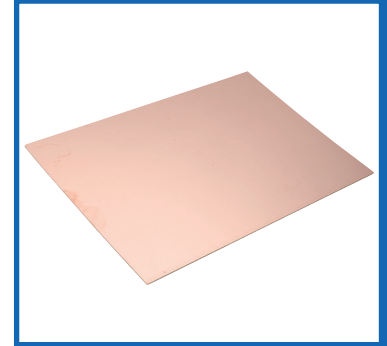


Copper Clad FR2 Epoxy Paper Printed Circuit Board



DESCRIPTION

Single-sided copper-clad printed circuit board made from SRBP – a paper-based material that is Halogen-free and produces less odour.

DISTINCTIVE FEATURES

- Range of sizes
- Single-sided
- Grade: FR2
- SRBP Board
- Thickness: 1.6mm
- 35µm Copper thickness
- Easier to drill than epoxy glass fibre
- Suitable for punching at +40°C to +70°C
- Warp and twist are small and stable

APPLICATIONS

Producing low-cost PCBs for: prototyping, design projects, computers, communication equipment, instrument, OA equipment, etc.

FR2

35µm

UL94-V0

Halogen Free



GENERAL SPECIFICATION

Test	Test Condition	Specification	Typical Value
Solder Resistance	A	JIS C 6481	20 to 30 sec
Heat Resistance	130°C 30 min	JIS C 6481	No change
Peel Strength (Copper Foil 35µm)	A 260°C 10 sec	JIS C 6481	1.8 to 2.0kgf/cm 1.7 to 1.9kgf/cm
Flexural Strength	A Lengthwise	JIS C 6481	14 to 16kgf/mm ²
	A Crosswise	JIS C 6481	13 to 14kgf/mm ²
Volume Resistivity	C-96/20/65	JIS C 6481	1 x 10 ¹² to 1 x 10 ¹³ Ω-cm
	C-96/20/65+C-96/40/90	JIS C 6481	1 x 10 ¹² to 1 x 10 ¹³ Ω-cm
Surface Resistivity	Adhesive Side C-96/20/65	JIS C 6481	1 x 10 ¹² to 1 x 10 ¹³ Ω
	Adhesive Side C-96/20/65+C-96/40/90	JIS C 6481	1 x 10 ¹¹ to 1 x 10 ¹² Ω
	Laminate Side C-96/20/65	JIS C 6481	1 x 10 ¹¹ to 1 x 10 ¹² Ω
	Laminate Side C-96/20/65+C-96/40/90	JIS C 6481	1 x 10 ¹⁰ to 1 x 10 ¹¹ Ω
Insulation Resistance	C-96/20/65	JIS C 6481	1 x 10 ¹¹ to 1 x 10 ¹² Ω
	C-96/20/65+D-2/100	JIS C 6481	1 x 10 ⁹ to 1 x 10 ¹⁰ Ω
Chemical Resistance	3% NaOH 40°C 3min	JIS C 6481	No change
	Boiled for 3 min in trichloroethylene	JIS C 6481	No change
Moisture Absorption	E-24/50+D-24/23	JIS C 6481	0.5 to 0.75%
Flammability	A	UL94	UL94-V0
Dielectric Constant	C-96/20/65	JIS C 6481	3.5 to 5.0
	C-96/20/65+D-24/23	JIS C 6481	4.0 to 5.3
Dissipation Factor	C-96/20/65	JIS C 6481	0.025 to 0.035
	C-96/20/65+D-24/23	JIS C 6481	0.030 to 0.045
CTI Value	0.1% NH ₄ Cl	IEC 112	≥ 600V
Punching Temperature	A	GB/T4722	40 to 70°C
Suitable etchant: Ferric Chloride solution			



MATERIALS

Material	FR2 SRBP
Track Material	35µm Copper



CERTIFICATION AND STANDARDS

JIS C 6481	
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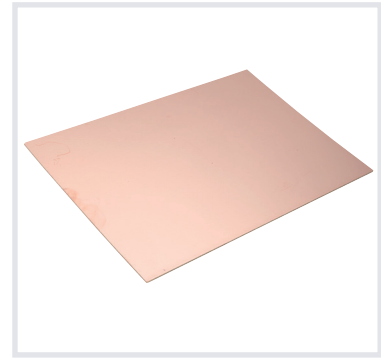
ENVIRONMENTAL/OPERATING SPECIFICATION

Flame Resistance	UL94-V0
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DIMENSIONS/DRAWINGS

Dimensions (see table)	mm
Thickness	1.6mm



PART NUMBER TABLE

Part Number Units	Length mm	Width mm	EAN	UNSPSC	Country of Origin
34-1026	160	100	5053556002511	32101509	China
34-1027	220	100	5053556002528	32101509	China
34-1028	233	160	5053556002535	32101509	China
34-1029	233	220	5053556002542	32101509	China
34-1030	305	203	5053556002559	32101509	China



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