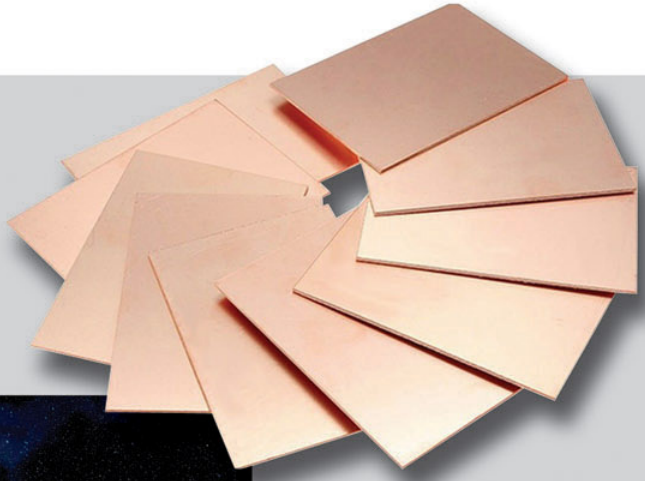
JIUYAO ELECTRONIC

Microwave & RF Laminate



E498329

Jiuyao Electronic Science & Technology (Jiangsu) Co., Ltd.

Company Profile

Jiuyao Electronic Science & Technology (Jiangsu) Co., Ltd. is professional PTFE prepreg, RF & Microwave PCB copper clad laminate (CCL) material manufacturer in China. With more than 10 years experience in RF & Microwave PCB and laminate industry, we invested our own factory in Huai'an, Jiangsu, China.

We now have FJY, PJY, HJY, MJY series RF & Microwave PCB laminate material, which can replace global famous brand like Arlon, Rogers, Taconic and Nelco with competitive quality, price and lead time.

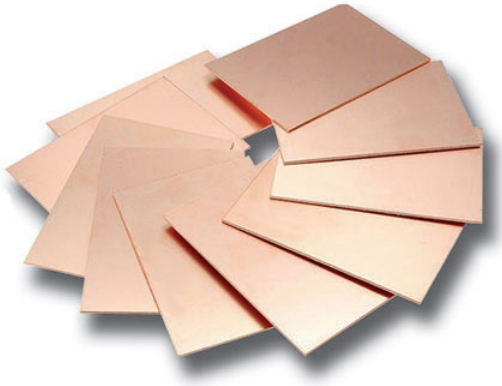
To ensure our advanced position in the market, we had set up R&D center in Israel and Jiangsu University. Our aim is to be the leading RF & Microwave PCB laminate supplier in China.

Microwave & RF Laminate

Product	Composition	Dielectric Constanct @ 10 GHz	Dissipation Factor @ 10 GHz	Coefficient of Thermal Expansion ppm/℃			Typical Peel Strength (lbs)	Water Absorption (%)	PIM (dbc)	Thermal Conductivity (W/mK)	Flammability UL Rating
				X	Y	Z					
FJY series are the most widely used RF/Microwave laminate material											
FJY220A	PTFE,Glass	2.20	0.0009	22	35	245	10	0.03	<-158	0.3	UL94-V0
FJY233A	PTFE,Glass	2.33	0.0012	22	35	245	10	0.03	<-158	0.3	UL94-V0
FJY250A	PTFE,Glass	2.50	0.0016	16	18	100	10	0.03	<-158	0.3	UL94-V0
FJY255A	PTFE,Glass	2.55	0.0017	16	18	100	10	0.03	<-158	0.3	UL94-V0
FYY265A	PTFE,Glass	2.65	0.0019	16	18	100	10	0.03	<-158	0.3	UL94-V0
FJY294A	PTFE,Glass	2.94	0.0020	8	10	95	10	0.03	<-158	0.3	UL94-V0
FJY298A	PTFE,Glass	2.98	0.0020	8	10	95	10	0.03	<-158	0.3	UL94-V0
FJY340A	PTFE,Glass	3.40	0.0025	8	10	95	10	0.03	<-158	0.3	UL94-V0
FJY350A	PTFE,Glass	3.50	0.0025	8	10	95	10	0.03	<-158	0.3	UL94-V0
PJY series are with ultra low Df, low material and manufacturing cost											
PJY245A	Polypropylene	2.45	0.0005	80	80	80	6	0.03	/	0.15	HB1
PJY294A	Polypropylene	2.94	0.0008	80	80	80	6	0.03	<-158	0.15	HB1
HJY/MJY series are high-end RF/Microwave laminte for multilayer application											
HJY300A	Hydrocarbon,Ceramic,Glass	3.00	0.0032	20	18	40	8	0.15	<-156	0.5	UL94-V0
HJY330A	Hydrocarbon,Ceramic,Glass	3.30	0.0033	20	18	40	8	0.15	<-156	0.5	UL94-V0
HJY340A	Hydrocarbon,Ceramic,Glass	3.40	0.0033	20	18	40	8	0.15	<-156	0.5	UL94-V0
HJY350A	Hydrocarbon,Ceramic,Glass	3.50	0.0033	20	18	40	8	0.15	<-156	0.5	UL94-V0
MJY030A	Hydrocarbon,Ceramic	3.00	0.0010	16	18	30	10	0.04	/	0.5	UL94-V0
MJY060A	Hydrocarbon,Ceramic	6.00	0.0020	17	18	25	10	0.02	/	0.8	UL94-V0
MJY100A	Hydrocarbon,Ceramic	10.00	0.0020	17	18	20	10	0.05	/	0.9	UL94-V0
MJY200A	Hydrocarbon,Ceramic	20.00	0.0025	17	18	20	10	0.05	/	1.0	UL94-V0

Applications:

- Microwave point to point (P2P) links
- Automotive Radar and Sensors
- Cellular Base Station Antennas and Power Amplifiers
- LNB's for Direct Broadcast Satellites
- RF Identification (RFID) Tags



Standard Thickness	Standard Size	Standard Copper Clad
0.005" (0.127 mm)	18"x12" (457x305mm)	Hoz(18um) 1oz(35um) 2oz(70um) Note: ED, LP, VLP copper are available based on customer's application.
0.010" (0.254 mm)	18"x24" (457x612mm)	
0.015" (0.381 mm)	18"x36" (457x915mm)	
0.020" (0.508 mm)	18"x48" (457x1220mm)	
0.030" (0.762 mm)	36"x48" (915x1220mm)	
0.037" (0.940 mm)	40"x48"(1016x1220mm)	
0.125" (3.175 mm)	42"x48"(1067x1220mm)	

***Thickness, Size can be customized.**

PTFE Coated Fiberglass Fabric

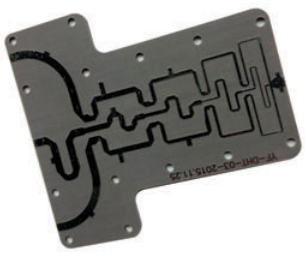
As Jiuyao manufacture PTFE coated fiberglass fabric for RF & Microwave PCB laminate by ourself. We also sell PTFE fabric to customers who use these material for laminate-release sheets, food conveyor belts, electrical insulation and industrial processing purposes.

As our major business is high frequency PCB laminate manufacturing, we make PTFE coated fiberglass fabric for customized requirement only with large quantity.

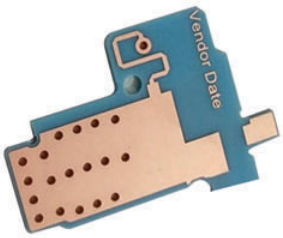
PCB Small-lot and Sampling

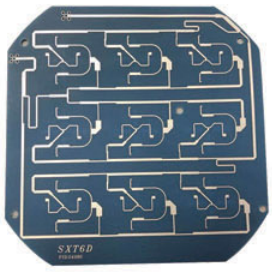
With our RF & Microwave PCB laminate advantage, we can also cooperate with local PCB factories to supply you finished PCB.

Following are some of the PCB pictures produced with our different series of laminate for your reference.

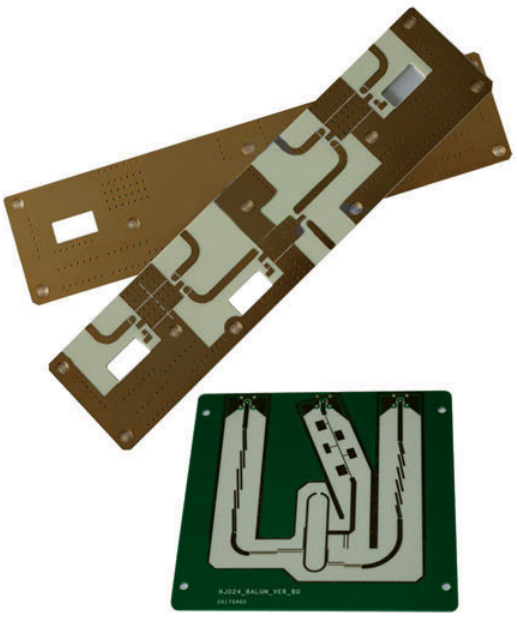


FJY series



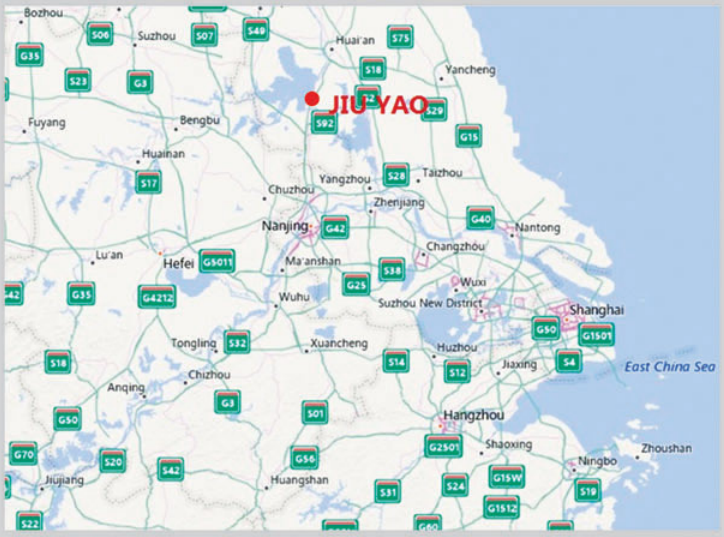


PJY series



HJY/MJY series

Professional Microwave & RF Laminate Supplier



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Jiuyao Electronic Science & Technology (Jiangsu) Co., Ltd.
地址: 江苏省淮安市洪泽区东双沟镇工业集中区
Add: Industrial Zone, East Shuanggou Town, Hongze District,
Huai'an 223121, Jiangsu, China
Tel: +86 517 8751 6918 Fax: +86 517 8751 6188
E-mail: info@ptfe-pcb-laminate.com
www.ptfe-pcb-laminate.com