



HJY980B-M hydrocarbon ceramic filled copper clad laminate

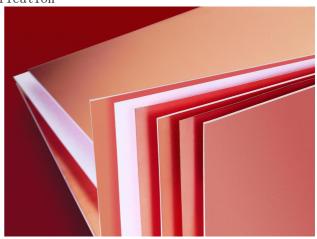
HJY980B-M is a special laminate made of hydrocarbon and filled with ceramic for RF/Microwave application. Considering quality stability as the top priority, we have been optimizing our laminate structure and production technique, now our laminate can meet all domestic and international standards while with very competitive production cost.

Our laminate is with excellent electric and PIM characteristics, low loss and low coefficient of thermal expansion, favorable mechanical and size stability, which become very competitive high frequency PCB base material in the market.

Product Feature:

- Low DK, stable at different temperature and frequency
- Low loss, stable at different temperature and frequency
- Easy for fabrication, FR-4 fabricating process applicable
- Favorable mechanical and size stability
- Good PIM performance, suitable for multilayer fabrication





Applications:

- Base station antennas and antennas for other application
- Microwave assemblies and modules
- Global positioning system
- Radar and other military application
- Wireless WIFI application







HJY980B-M Data Sheet

HJY980B-M Test Data Information

IPC TM-650 2.5.5.5	C24/23/50	9.8+/-0.03
IPC TM-650 2.5.5.5	C24/23/50	0.0021+/-15%
IPC TM-650 2.5.5.5 Adapted	-55°C to +150°C	+45
IPC TM-650 2.4.8	After Thermal Stress	≥5
IPC TM-650 2.5.17.1	C96/35/90	$2.2x10^8$
IPC TM-650 2.5.17.1	C96/35/90	4.1x10 ⁸
IPC TM-650 2.5.1	D48/50	>180
IPC-TM-650 2.4.4	A, 23°C	225/180
IPC TM-650 2.4.39	Etching+E2/150°C	<0.4
ASTM D-792 Method A	A, 23°C	2.8
		21
IPC TM-650 2.4.41	-55 °C to 288 °C	18
		31
ASTM D5470	50 °C	0.61
UL 94		Meets requirements of UL94-V0
IPC TM-650 2.6.2.1	48/50	0.12
43dBm/1800M	50ohm/0.060"	<-158dBc
	IPC TM-650 2.5.5.5 IPC TM-650 2.5.5.5 Adapted IPC TM-650 2.4.8 IPC TM-650 2.5.17.1 IPC TM-650 2.5.17.1 IPC TM-650 2.5.1 IPC-TM-650 2.4.4 IPC TM-650 2.4.4 IPC TM-650 2.4.49 ASTM D-792 Method A IPC TM-650 2.4.41 ASTM D5470 UL 94 IPC TM-650 2.6.2.1	IPC TM-650 2.5.5.5 IPC TM-650 2.5.5.5 Adapted IPC TM-650 2.5.5.5 Adapted IPC TM-650 2.4.8 IPC TM-650 2.4.8 IPC TM-650 2.5.17.1 C96/35/90 IPC TM-650 2.5.17.1 C96/35/90 IPC TM-650 2.5.1 IPC TM-650 2.4.4 A, 23°C IPC TM-650 2.4.39 Etching+E2/150°C ASTM D-792 Method A A, 23°C IPC TM-650 2.4.41 -55 °C to 288 °C ASTM D5470 UL 94 IPC TM-650 2.6.2.1 48/50

Standard Thickness of Laminate	Standard Size	Standard Copper Clad
0.010" (0.254 mm)	18"x12" (457x305mm)	Hoz(18um)
0.020" (0.508 mm)	18"x24" (457x612mm)	1oz(35um)
0.030" (0.762 mm)		2oz(70um)
0.060" (1.524 mm)		
0.120" (3.048 mm)		
Other		

^{*}Thickness, Size can be customized.