			PI Rei	nforcement	Board				
Introduction	PI Reinforcement Board is an auxiliary part for electronic components made of high performance polyimide material, designed to enhance the structural strength, thermal stability and long-term reliability of flexible circuit boards (FPCs) and other precision electronic assemblies. It has excellent heat resistance, good mechanical properties, flatness, chemical resistance, stable electrical properties, halogen-free and antimony-free, environmental protection and flame retardant, strong adaptability, thinness and flexibility, long-term reliability and other characteristics								
Application	It is widely used in internal FPC reinforcement of consumer electronics products such as smartphones and tablets.								
Property									
Product Code Technical Parameters	YSCF-2025F/E	YSCF-3025F/E	YSCF-4025F/E	YSCF-5025F/E	YSCF-6025F/E	YSCF-7025F/E	YSCF-8025F/E	YSCF-9025F/E	YSCF-10025F/E
Color	Black/red								
Total Thickness [mm]	0. 045	0. 055	0. 065	0. 075	0.085	0. 095	0. 105	0. 115	0. 125
Adhesive thickness [mm]	0. 025	0. 025	0. 025	0. 025	0.025	0. 025	0. 025	0. 025	0. 025
Backing Thickness[mm]	0.02	0. 03	0.04	0. 05	0.06	0.07	0.08	0.09	0.1
Backing	PI	PI	PI	PI	PI	PI	PI	PI	PI
Adhesive	Acrylic adhesive	Acrylic adhesive	Acrylic adhesive	Acrylic adhesive	Acrylic adhesive	Acrylic adhesive	Acrylic adhesive	Acrylic adhesive	Acrylic adhesive
180° Peel Strength[N/mm]	1.8	1.8	1.8	1.8	1. 8	1.8	1.8	1.8	1.8
Solder resistance [°C]	288° C,>10s, No delaminate								
Dielectric constant[1MHz] (RH50%, 23C, 24h)	< 4.0								
Dissipation factor[1MHz] (RH50%, 23C, 24h)	< 0.04								
Volume resistivity [MQ·cm] (RH90%, 35C, 96h)	5.8X10 ⁸								
Surface resistance[MQ] (RH90%, 35C, 96h)	2. 2X105								
Storage and shelf life	It is recommended to store in a clean and dry place, away from direct sunlight, to prevent damage to the packaging, and to avoid keeping it with volatile solvents. The storage temperature is 10-40° C and the humidity is 40-60%. To maintain optimal performance, this product should be used within 12 months from the date of manufacture.								