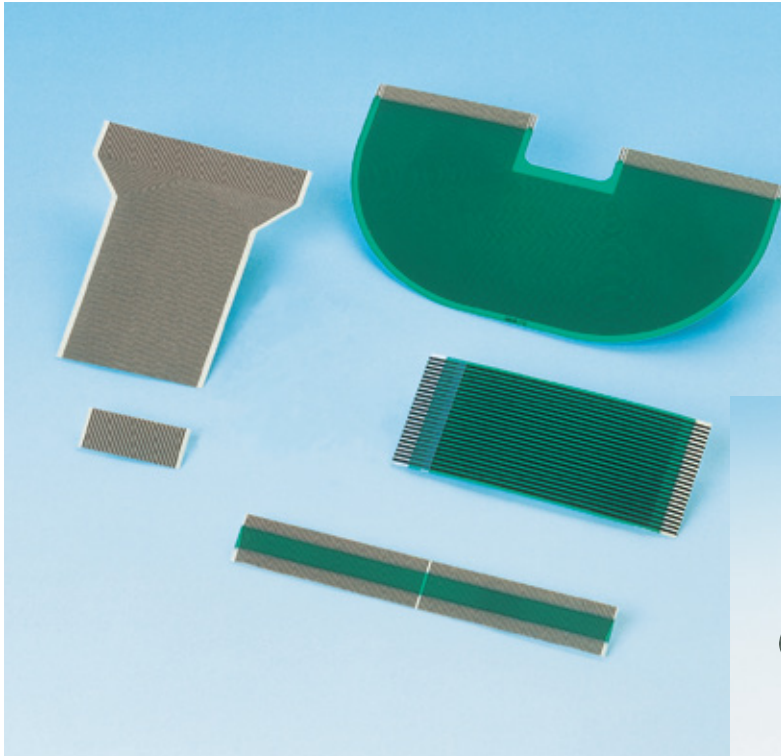


Shin-Etsu Inter-Connector®

JC TYPE

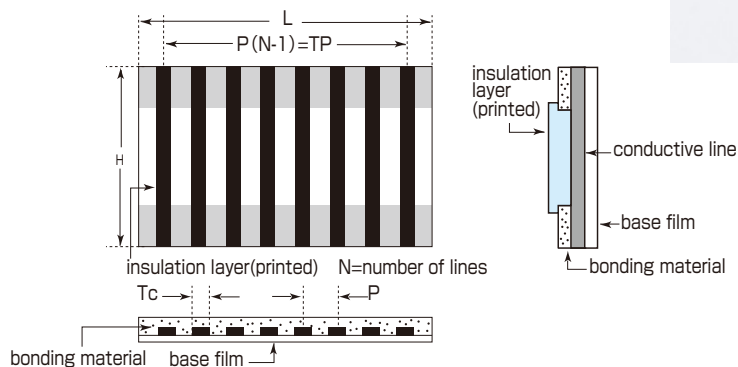


FEATURES

JC-type Inter-Connector is a heat seal connector that is made up of a polyester film as a substrate, and carbon conductive lines printed on the film. JC-type is coated with an anisotropic conductive adhesive. JC-type is useful for LCD's applications.



OUTLINE DIMENSIONS



DIMENSIONS AND TOLERANCES

Item	Unit	Standard
Size L X H*	mm	100 X 400 max.
Dimension tolerance	Length(L)	±0.25
	Height(H)	±0.25(10 ≤ H ≤ 120), ±0.5(120 < H ≤ 200), ±1.0(200 < H ≤ 400)
Width of Conductor (Tc)	mm	0.25min.
Pitch tolerance		±0.05(P < 1.0)
		±0.10(P ≥ 1.0)
Accumulative pitch(TP)	mm	±0.1(TP ≤ 100)
Pitch (P)	mm	≥ 0.5
Thickness of base film(T)	μm	25
Thickness of cover film(option)	μm	12 or 25

*Max.sizes depend on pitch.

Shin-Etsu Inter-Connector has been registered in European Community, TM No. 000299016, and in the United States of America, TM No. 2078941.

CONSTRUCTION

Base film	Polyester
Conductive lines	Thermosetting resin carbon ink
Adhesive	Thermoplastic synthetic rubber
Conductive particles	Carbon particles
Insulation layer*	Printed thermoplastic synthetic rubber

*Optional: polyester cover film, polyester stiffener for ZIF type connector.

BASIC PROPERTIES

Item	Properties	Conditions
Conductive resistance	$\leq 100 \Omega/\square$	10~30°C, 30~80%RH
Insulation resistance	$\geq 100 M\Omega$	10~30°C, 30~80%RH
Peel Strength	$\geq 2.94N/cm$	90° peel, 100mm/min.
Storage time	6 month max.	Sealed, 0~40°C, RH $\leq 50\%$

BONDING CONDITIONS RANGE

Adhesive temperature	110°C ~ 130°C *
Pressure	2.0 ± 0.5MPa
Time	5 ± 2 seconds (Adhesive temp $\geq 110^\circ\text{C}$)

*This temperature should be applied only to the bonding area.

Surfaces should be free of dust and contamination.

**Note) Every item or numerical value indicated herein is measured by Shin-Etsu and out of guarantee.
The quality of the connector, which has been already assembled, is out of guarantee.
Please make sure to see about the purpose/conditions of use and practice your own test.
Industrial ownership like patent doesn't guarantee the usage of the connector**

Shin-Etsu

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