



ThinFlex

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ThinFlex Corporation

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ThinFlex-LK, LK-4010RD-J6 Adhesiveless Double Sided Copper Clad Laminate

IPC Designation IPC-4204/11

ThinFlex-LK, LK-4010RD-J6 is an adhesiveless double-sided (D/S) copper clad laminate via the laminating of ThinFlex-LK film with RA copper foil on both sides. The LK-4010RD-J6 adhesiveless composites are designed for a wide variety of flexible circuit applications which require advanced material performance, temperature resistance, fine pitch, high reliability, low dielectric constant and low dissipation factor.

1. Product Characteristics:

- * Excellent dimensional stability
- * Excellent flexibility
- * Excellent flammability and chemical resistance
- * Excellent thermal, mechanical, and electrical properties
- * Excellent etching capability
- * Low moisture absorption
- * Low dielectric constant and low dissipation factor

2. Specifications:

LK - 40 10 R D-J6

Product	Thickness of PI	Thickness of Cu	Cu Type	Structure	Cu Supplier
LK-type FCCL	40 : 4.0 mil	05 : 1/2 Oz.	R :RA	D: D/S	Nippon mining & metals
Product Size	W: 250/500 ± 1mm; L: 400~700 ± 2mm (sheet type) W: 250/500 ± 1mm; L: 100 +2/-0m (roll type)				

* Other product size is also available on customer's demand.



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3. Construction:

Table with 2 rows: Copper foil, Polyimide film, Copper foil

4. Properties:

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Main properties table with columns: Test item, Unit, LK-4010RD-J6, Test Method. Rows include Peel Strength, Tensile Strength, Flexural Endurance, Electrical Properties, Physical and Thermal Properties.

* Above data are typical values, and are not guaranteed values.



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5. Storage:

The shelf-life of LK-4010RD-J6 is at least 12 months for keeping at temperature of 25°C or less and relative humidity of 70% or less. By the way, it is no need to keep in the refrigeration and frozen condition.

Note: The information and data contained in this technical literature is believed to be accurate and is offered in good faith for the benefit of the user. The user should make his own tests to verify the suitability of this product for any application before its use. All data are typical values only and subject to change without notice.

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