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3M™ Electrically Conductive Adhesive Transfer Tape 9703

Part Number 9703



3M™ ECATT 9703 is a pressure sensitive adhesive (PSA) transfer tape with anisotropic electrical conductivity. PSA matrix is filled with silver particles enabling interconnections through adhesive thickness (the Z-axis) between substrates.

- Low outgassing acrylic adhesive
- Anisotropic Z-axis electrical conductivity
- PSA tack properties
- Thermal curing not required
- Easy to use in assembly operations
- Can be applied as die-cut parts or in roll form

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Specifications

Adhesive Thickness (metric)	50 micron
Adhesive Type	Conductive Acrylic
Application Category	EMI/EMC Applications , Bonding
Applications	Antenna Bonding (with Grounding) , Flex Stiffener Bonding (with Grounding) , Grounding , Static Dissipation , Flex Bonding (with Grounding) , EMI Shielding (with Grounding) , Metal to Metal Bonding (with Grounding) , Flex Bonding
Bonding Method	Finger pressure or roller bar
Bonding Pressure	0.10 MPa
Bonding Temperature	15 - 70 Degree C
Conductive Particle Type	Silver-coated nickel
Conductivity Direction	Z-Axis Conductive
Conductivity Filler Type	Particle
Connection Type	Flex to PCB , Flex to LCD , Flex to Flex
Length	36 Linear Yard
Liner Thickness (metric)	100 Micron
Liner Type	Silicone Treated Polycoated Kraft Paper (PCK)

Minimum Gap	15 mil
Minimum Gap (metric)	400 Micron
Minimum Overlap Area	3.2 mm ²
Minimum Pitch	32 mil
Minimum Pitch (metric)	800 Micron
Product Form	Roll
Product Series	9703
Shelf Life	24 Months @ 21 Degree C and 50% RH
Total Tape Thickness without Liner	2 mil
Total Tape Thickness without Liner (metric)	0.05 mm

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