



Type APC Pressure Sensitive (PSA) Conductive Cover Tape

Type APC Cover Tape is a conductive, pressure sensitive adhesive cover tape designed to protect and confine surface mount components within the pockets of our embossed polycarbonate carrier tapes. APC has a very stable acrylic adhesive that provides a full 2-year shelf life when stored under recommended conditions.

- Engineered for Polycarbonate Carrier Tape
- Re-sealable
- Meets EIA-481 bonding/peel-back force requirements
- Proven to work effectively with the following Carrier Tape materials: Types G, N & Q Static Dissipative Polycarbonate

0.00092" Antistatic Polyester Film

0.00048" Conductive Polyester Film

CONSTRUCTION

Type APC Cover Tape is constructed in three layers, a 0.00092" polyester base film over a 0.0010" pressure sensitive acrylic adhesive, with a 0.00048" conductive polyester film on the device side.

CONFIGURATIONS

Type APC Cover Tape is provided splice-free on 3" inner diameter plastic cores.

Part Number	Tape Width (+/- 0.10)	Adhesive Width / Side	Roll Length (m)	Rolls Per Box
APC0054-300	5.4mm	0.70mm	300	50
APC0093-300	9.3mm	1.0mm	300	30
APC0133-xxx	13.3mm	1.0mm	300 & 500	15
APC0213-xxx	21.3mm	1.0mm	300 & 500	10
APC0255-xxx	25.5mm	1.5mm	300 & 500	10
APC0375-xxx	37.5mm	1.5mm	300 & 500	5
APC0495-xxx	49.5mm	1.5mm	300 & 500	5
APC0655-xxx	65.5mm	2.0mm	300 & 500	4
APC0815-xxx	81.5mm	2.0mm	300 & 500	3
APC0975-xxx	97.5mm	2.0mm	300 & 500	2

* Note: Part number for 13.3mm and wider is dependent on roll length; use 300 or 500 in place of "xxx".

SHELF LIFE AND STORAGE

Type APC Cover Tape has a shelf life of 24 months from the date of manufacture when kept in recommended conditions. Store this product in its original packaging in a climate-controlled environment where temperatures do not exceed 25°C (75°F) and relative humidity is under 80%. Exceeding these recommended storage conditions could result in inconsistent product performance.

Recommended Sealing Conditions

Application Method	Roller @ 2m/min
Temperature	Ambient
Pressure	40 PSI
Humidity	Ambient



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Type APC Pressure Sensitive Conductive Cover Tape Material Properties

¹ Tests performed under specific sealing conditions on formed polycarbonate tape.

** Aging at 52°C and 95% PH increased adhesion to carrier by 80% Note: The values presented for this product are typical laboratory data and may be changed without notice.

Property	Typical Value	Test Method / Standard
Overall Thickness	0.0024" (0.061mm)	ASTM D-374
Initial Adhesion to Carrier (Mean Value)**	5.4mm: 45 +/- 10 grams 9.3mm, 13.3mm, 21.3mm: 60 +/- 15 grams >= 25.5mm: 70 +/- 20 grams	EIA-481
Surface Resistivity	Adhesive side: $<10^{12} \geq 10^5$ ohms/square Back side: Non-conductive	ASTM D-257
Minimum Break Strength	30 pounds/inch of width	ASTM D-882
Elongation	100%	ASTM D-882
Overall Width Tolerance	+/- 0.10mm	Laser Micrometer
Adhesive Edge Tolerance	+/- 0.20mm	Laser Micrometer
Transparency	<10% Haze	ASTM D-1003
Colour	Transparent Metalised Film	N/A

Cover Tape Compatibility							
Material	AA	AHP	ABX	ATA	PS3	APC	AHPC
G (Polycarbonate)				X		X	X
C (Polystyrene)	X	X	X	X	X		