



Type AHP Heat Activated Antistatic Cover Tape

Type AHP Cover Tape is an antistatic, transparent, heat sealable cover tape which protects and confines surface mount components contained in our embossed carrier tape. Suitable for any heat sealing taping application, AHP Cover Tape provides consistent adhesion and a proven record of quality.

- Engineered for Polystyrene Carrier Tapes
- Performs within EIA-481 bonding guidelines
- Proven to work effectively with the following Carrier Tape materials: Types C, X, V & T Static Dissipative Polystyrene, Types J, K, L & O Homogenous Polystyrene
- Halogen Free

0.00092" Antistatic Polyester Film

0.00128" Antistatic Adhesive Coating

| Part Number | Tape Width (+/- 0.10) |
|-------------|-----------------------|
| AHP0053-300 | 5.3mm |
| AHP0054-300 | 5.4mm |
| AHP0092-300 | 9.2mm |
| AHP0093-300 | 9.3mm |
| AHP0133-300 | 13.3mm |
| AHP0210-300 | 21.0mm |
| AHP0213-300 | 21.3mm |
| AHP0255-300 | 25.5mm |
| AHP0375-300 | 37.5mm |
| AHP0495-300 | 49.5mm |
| AHP0655-300 | 65.5mm |
| AHP0815-300 | 81.5mm |

CONSTRUCTION

Type AHP Cover Tape is constructed in two layers, a 0.00092" polyester base film covered by a 0.00128" heat activated adhesive coating layer. Both layers are antistatic to protect static sensitive devices.

CONFIGURATIONS

Type AHP Cover Tape is provided standard with 300 and 500 splice-free meters on a 3" inner diameter plastic core. Available widths include all EIA standard widths for carrier tapes between 8mm and 56mm. Additional widths may be available by special request.

Recommended Sealing Conditions (Single-Strike Seal Mode)

| | |
|-----------------|------------------------------------|
| Temperature | 165° – 210° C |
| Dwell Time | 0.1 – 1.0 sec |
| Pressure | 30 PSI |
| Seal Rail Width | 0.015 – 0.020" (0.38 – 0.51 mm) |

SHELF LIFE AND STORAGE

Type AHP 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 with temperatures between 19°C - 40°C (66°F - 104°F) and relative humidity is 50% +/- 30%. Do not store in direct sunlight. Allow product to stabilize at room temperature prior to use. Exceeding these recommended storage conditions could result in inconsistent product performance.

Type AHP Heat Activated Antistatic Cover Tape Material Properties

The values presented for this product are typical laboratory data and may be changed without notice. ¹Tests performed under specific sealing conditions.

| Property | Typical Value | Test Method / Standard |
|-----------------------------|---|------------------------|
| Initial Adhesion to Carrier | 50 +/- 30 grams ¹ | EIA-481-B |
| Surface Resistivity | <10 ¹² ≥10 ⁵ ohms/square (both sides) | ASTM D-257 |
| Tensile Strength | 11,000 PSI | ASTM D-882 |
| Elongation | 120% - 140% | ASTM D-882 |
| Transparency | 91% Transmittance 25% Clarity 50% Haze | ASTM D-1003 |
| Colour | Transparent, pale blue | - |



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