

# Athena 2200

## Copper Foil Tape with Conductive Adhesive

Created: 2010-12-28  
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### GENERAL INFORMATION

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Athena 2200 is a copper foil tape coated with a conductive adhesive. It has a good adhesion, bonds well on many surfaces, and is completely moisture resistant.

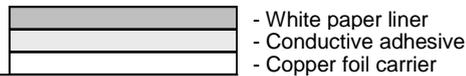
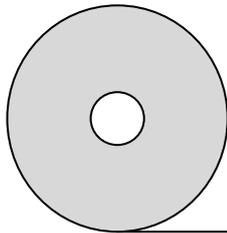
- 0,06mm thick
- Conductive adhesive
- Temperature resistant up to 130°C
- Completely moisture resistant

Athena 2200 is available in all dimensions but standard widths are:

- 12mm x 33m
- 15mm x 33m
- 25mm x 33m

### CONSTRUCTION

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### APPLICATIONS

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Athena 2200 is used for a wide range of electrical applications. The tape is good for applications that require electrical conductivity from substrate through the adhesive and to backing. Typical applications are for example:

- Solderable as heating element
- EMI/RFI shielding
- Grounding
- Static charge draining

### USER GUIDELINES

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To obtain optimal adhesion the surfaces must be clean and dry. Most frequent cleaning solvent is isopropyl/water (50:50 mixture) alcohol. Use safety instructions before using cleaners. Sometimes depending on surface a primer can be used to obtain a higher bonding force. Ideal temperature for tape application is between 21°C and 38°C. Usually electronic components and devices do not need to be cleaned as above.

## PRODUCT DATA

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### Physical Data:

Adhesive:	Synthetic resin thermosetting conductive
Carrier:	Soft copper foil
Thickness:	Carrier: 0,035mm Adhesive: 0,025mm Total: 0,060mm
Liner:	White siliconised paper
Colour:	Copper
Shelf life*:	5 years
Storage:	Good storage conditions are in room temperature. Not recommended for direct exposure to sunlight or ultraviolet light.

\* From date of dispatch by ATC Tape Converting AB

### Performance Data:

Tensile strength:	40 N/10mm
Adhesive strength:	4,5 N/10mm
Electrical resistance through adhesive**:	0,003 Ohms
Recommended curing cycle:	1 hour at 150°C or 2 hours at 130°C
Heat resistance:	Up to +130°C

\*\* Tested according to MIL STD 202F Method 307 across surface area of 1 sq.inch

## USAGE

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All metal foil based tapes have a tendency to be malleable, which may have an impact on the tape's performance. Therefore, it is important to remove any deformations or kinks that may occur when applying the tape. This can be accomplished by smoothly rolling the tape once it has been applied in position. This process will remove all deformations that can arise during manual application of the tape.

## CONTACT INFORMATION

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