

## TECHNICAL PRODUCT INFORMATION

### ECCOPAD® ISOLATORS RFID Read on Metal

#### Description:

Conventional RFID tags will not operate properly in the presence of metal or other high dielectric materials such as water. ECCOPAD® represents a line of thin materials which enable RFID on metal or liquids.

ECCOPAD HF-U is a series of thin elastomeric isolators for respectively HF RFID tags (13.56 MHz).

#### Availability:

ECCOPAD HF-U is available in two types ECCOPAD HF-U-1 and ECCOPAD HF-U-2.

ECCOPAD HF-U-1 and HF-U-2 are using different filler technologies, allowing an optimal selection depending on the tag used. Both products have a standard thickness of 1 mm.

Thinner material is available upon request.

All ECCOPAD products are available with self-adhesive tape upon request.

#### Typical properties:

	HF-U-1	HF-U-2
Frequency (MHz)	13.56	13.56
Product type	Isolator	Isolator
Thickness (mm)	1	1
Readrange (m)	Tag specific	Tag specific
Maximum service temperature (°C)	120	120

**Safety Considerations:** It is recommended to consult the EMERSON & CUMING MICROWAVE PRODUCTS product literature, including material safety data sheets, prior to use EMERSON & CUMING MICROWAVE PRODUCTS products. These may be obtained from your local sales office.

**WARRANTY:** Values shown are based on testing of laboratory test specimens and represent data that falls within the normal range of properties of the material. These values are not intended for use in establishing maximum, minimum or ranges of values for specification purposes. Any determination of the suitability of the material or any use contemplated by the user and the manner of such use is the sole responsibility of the user who must assure that the material as subsequently processed meets the needs of this particular product or use.

We hope the information given here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the user's consideration, investigation and verification but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale INCLUDING THOSE LIMITING WARRANTIES AND REMEDIES which apply to all goods supplied by us. We assume no responsibility for the use of these statements, recommendations or suggestions nor do we intend them as a recommendation for any use which would infringe any patent or copyright.

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