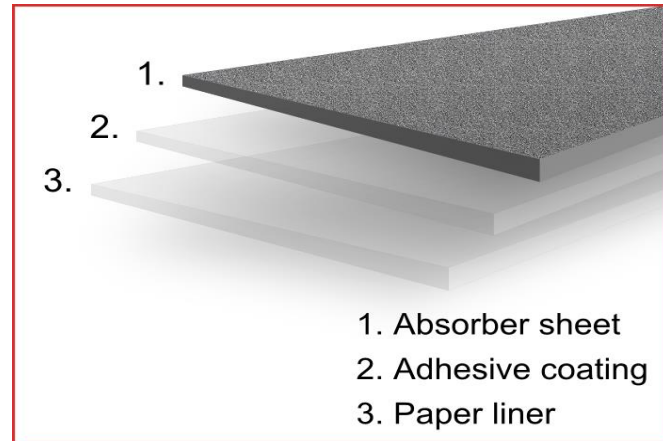


## Technical Data – HBA 6000RO

### Product description

- Metalized Resin Absorber using a combination of metal powders.
- Designed for RFID, NFC and Wireless charging.
- Improves the efficiency and range of NFC equipment.



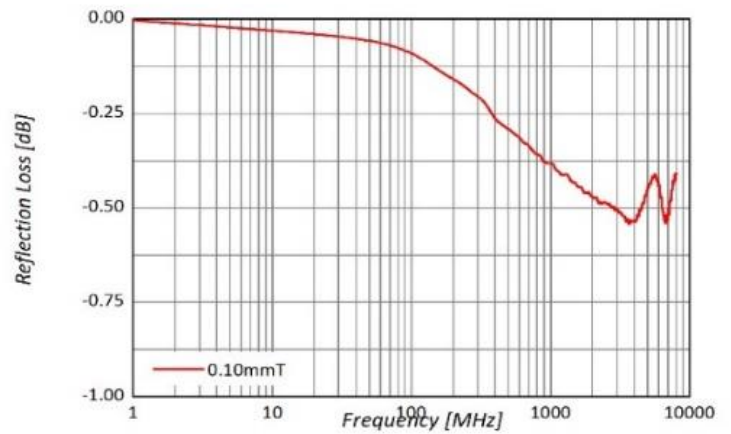
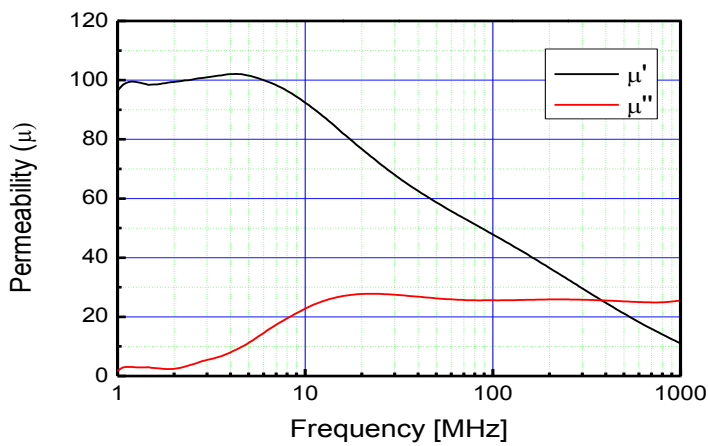
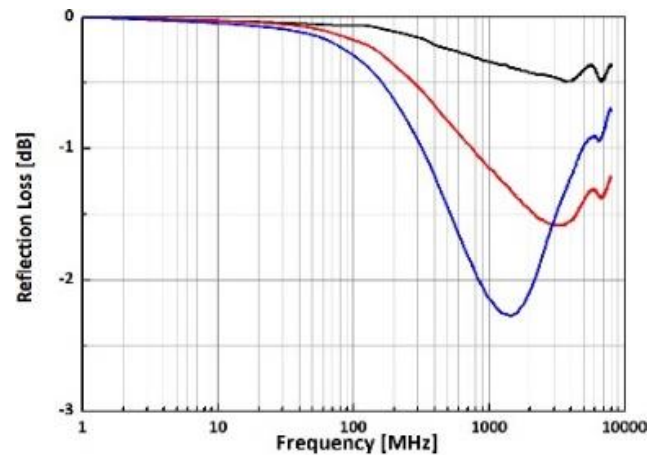
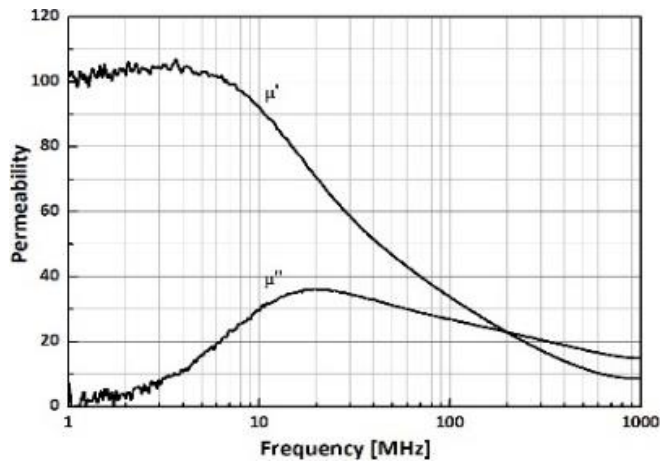
### Construction

- Absorbing materials
- Adhesive coating
- Paper liner

### Technical Data

| ITEM                            | UNIT                     | DATA               | METHOD      |
|---------------------------------|--------------------------|--------------------|-------------|
| Standard Thickness              | $\mu\text{m}$            | 50 ~ 100           | ESQ-612-23  |
| Structure                       |                          | 1 layer            |             |
| effective frequency             |                          | 10MHz ~ 6GHz       |             |
| Permeability ( $\mu'$ ) at 3MHz |                          | 100                | KS C 6031   |
| Operating Temperature           | $^{\circ}\text{C}$       | -30 ~ +85          | ESQ-612-20  |
| Specific gravity                | $\text{g}/\text{cm}^3$   | 2.5                | ESQ-612-38  |
| Surface resistance              | $\Omega/\square$         | $>1 \times 10^6$   | ASTM D257   |
| Hardness                        |                          | 80                 | ASTM D 2240 |
| Tensile strength                | $\text{kgf}/\text{mm}^2$ | 2                  | ASTM D 412  |
| Elongation                      | %                        | 5                  | ASTM D 412  |
| Thermal conductivity            | W/mK                     | 0.1                | KS L 9016   |
| Standard size                   |                          | 250~500mm X 50M    | ESQ-612-23  |
| Environment issue               |                          | RoHS, Halogen free |             |
|                                 |                          |                    |             |

**Application:** There are a wide range of applications throughout the electronics industry, such as NFC and Wireless Charging.



**Note:** Unless stated otherwise all values given are average. All of the tapes in our range should be thoroughly tested on the substrates in the particular application they are intended for. Hi-Bond Tapes Ltd. will not be responsible for product failure unless full testing has been completed. The customer has to decide on the tapes suitability for the intended application.



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