

## MAJR Products RFID Isolator Pad Material (6501 Series)

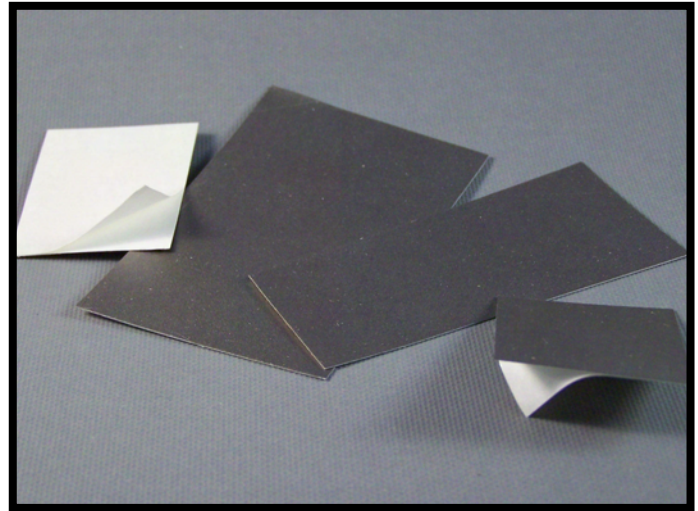
### Product Summary

Thin, ferrite impregnated urethane resin, enables RFID tag operation when placed between tag and metal surfaces. Inexpensive solution to improve RFID tagging accuracy for capital equipment or metal objects. Isolator Pad electrically isolates the tag from the metal.

### Product Application

Self-adhesive, .008" (0.2mm) thick (w/o adhesive layer) material which enables full functionality for 125 kHz, 135 kHz, 530 kHz and 13.56 MHz tags on metal items. RFID Pad Isolators are easily cut and installed by simply removing the release liner from adhesive side and applying to the applicable surface.

Expands communication distance, RoHS Compliant, available in sheets (8.25 in./210mm square) and rolls (20M).

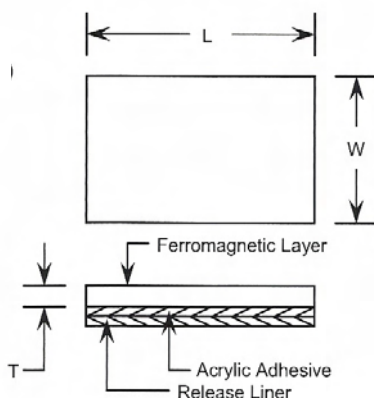


### Product Technical Data

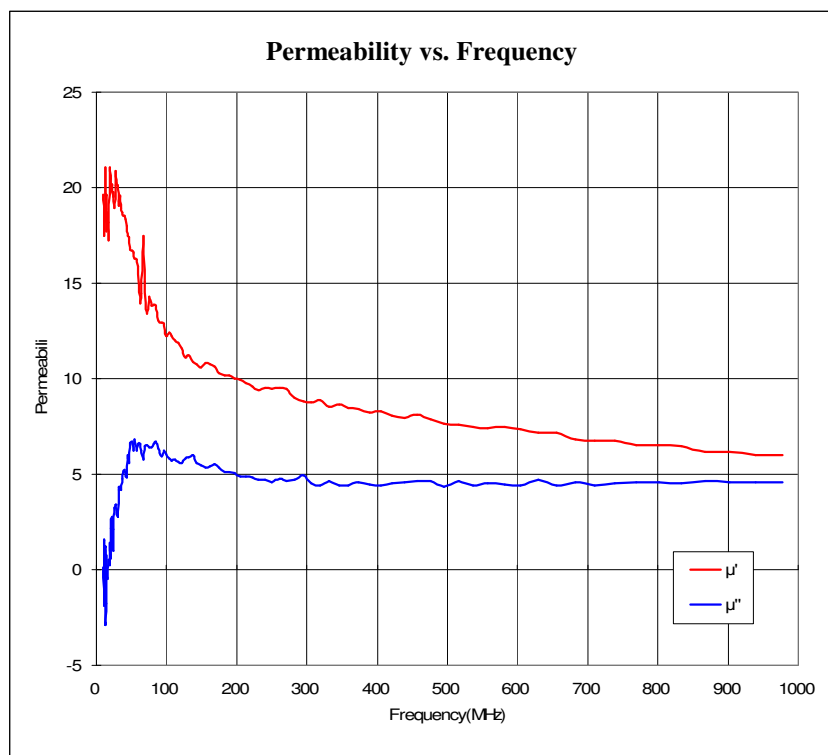
Proprietary ferrite and noble metals are in inert urethane media. Acrylic adhesive with waxed paper release liner. Product is typically "kiss-cut" to fit tag outline.

Attenuation Data: Note loss curves indicating rejection of magnetic mass vs. frequency.

MAJR 6501-00200-RF RFID Isolator pad materials are available from stock as sheets 8.25" square or as a roll 8.25" X 65' long.



## MAJR Products RFID Isolator Pad Material (6501 Series), Cont.



### MAJR RFID Isolator Pad 6501-00200-RF

The red curve represents Real Magnetic Permeability and indicates how well the tag Isolator Pad enables a signal from an RFID reader to be read. The key is the difference between the red curve and the blue curve. The blue curve represents the combined absorption rate of the metal object or imaginary part and the tag Isolator Pad. The greater the spread between the red and blue curves the better the “read” of the desired RFID data will be. Therefore, across the frequency range depicted here, this material works quite well below 100MHz.

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