



# Perseus Tech. International Corp.

Golden Tech. Tower  
6F, No. 122, Sin Hu 3rd Rd., Taipei 114, Taiwan, R.O.C.  
TEL: +886-2-87922778 FAX: +886-2-87922108  
http://www.p-live.com E-mail: lei@p-live.com

## HTR Rubber Absorbers

### Description

HTR Rubber Absorber is a series of relative width band microwave absorbers which, typically, absorb -5dB ~ -25dB of normally incident energy at a discrete frequency between 10MHz ~ 40GHz. Based on the tuned frequency, HTR absorber is designed with thickness in the range of 0.1mm up to 4mm.

We also provide special design for the customer's requirement of the frequency, absorbing rate, thickness.

HTR series are well developed product that is very efficient way to solve the EMI/RFI/EMC problem for electronic/ electric product, notebook, computer, electronic device, wireless communication device, and even new-generation ultra-thin or mini-portable computer/PDA, digital camera, RFID, NFC, IEEE.801.a/b/ac/g/n product, wireless charging device, Millimeter wave device, electric medical device...etc.

The product can be provided in sheet or in roll, and also can be pre-cutting to desired shape.

The maximum temperature resistance is -40 °C ~ +120 °C.



### Applications

1. EMI Reduction for Antennas and Electronic Systems (such as LNB for Satellite System).
2. Antenna Pattern Shaping and False Echo Reductions.
3. The Radiation Hazard Protection.
4. To paste on electric circuit, connector, cable socket, flat cable.
5. To suppress and absorb attenuate electromagnetic waves and noise out through electric circuit.
6. Being available at LED display, cable modem or wrap cable and wire, also any noise source.
7. Solving for third/fourth/fifth generation (3G/4G LTE/5G IEEE802.ac) mobile device RFI problem.
8. Wireless communication equipment, Blue tooth, LTE, Wimax, Wi-fi device...etc.
9. RFID, NFC, or wireless battery charging device
10. Millimeter wave device
11. Electric Medical device



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## Typical Commercial Product Specifications

Part No.	Typical Thickness (mm)	Frequency	Max. Decay (-dB)	Normal Application
HTR-NFC-01	0.1	13.56 MHz	4	NFC device
HTR-RFID-01/015/025	0.1/0.15/0.25	13.56 MHz	4/5/7	NFC, RFID, wireless charge device
HTR-01A/02A/03A	0.1/0.2/0.3	800MHz ~3GHz	3/5/7	3G/4G/5G mobile device, GPS, Wi-fi device, Digital camera module , .etc
HTR-04B/07B/10B	0.4/0.7/1.0	10MHz~1GHz	4/7/10	NFC, RFID, device PCB, chip, FPC
HTR-05U/10U/15U	0.5/1.0/1.5	10MHz ~3GHz	6/8/10	NFC, RFID, device, GPS, 3G/4G mobile device, Wireless device, Digital camera module, PCB Shielding box , .etc
HTR-10KUS	1.0	10GHz~40GHz	17	LNB, Shielding box, antenna, PCB..etc
HTR-3G-G3	2.0	850MHz ~2.5GHz	20	Shielding box, GPS, equipment
HTR-2	2.0	10MHz ~ 3GHz	12	Shielding box, PCB
HTR-4	4.0	10MHz ~ 3GHz	15	Shielding box, PCB

\*The special frequency absorbing material can be tuned per customer's requirement

\*The thickness of each part no can be adjusted per customer absorbing requirement.

\*RoHS, REACH compliance