

**HOME LAN NETWORKING BANDPASS FILTERS**

462 Boston St - Topsfield, MA 01983 - Phone: 978-887-8050 - Fax: 978-887-5434

- Design for Home LAN Networking , Phoneline & Ethernet .
- Supports TUT system Home LAN Technology.
- Surface mountable.
- HI-POT:1500Vrms
- Storage temperature range: -40°C to +125°C.



**Electrical Specifications @ 25°C Operating Temperature range:0°C to +70°C**

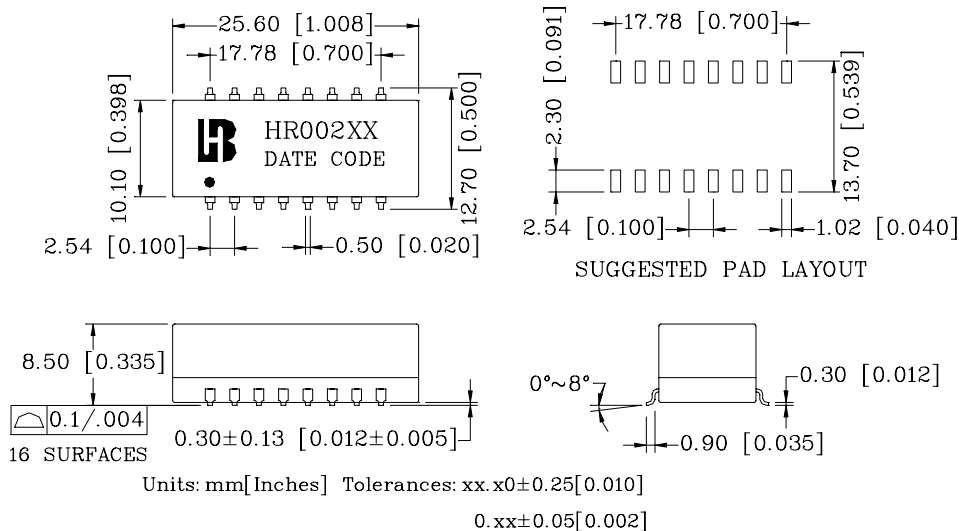
“\*” Operating temperature range : -40°C to +85°C

| Part Number | Insertion Loss (dB Normal/Max) |           |         | Attenuation TX/RX (dB Min/Normal) |         |         | Return Loss TX/RX (dB Min.) | Turn Ratio (±5%) |
|-------------|--------------------------------|-----------|---------|-----------------------------------|---------|---------|-----------------------------|------------------|
|             | 6MHz                           | 7.5MHz    | 9.0MHz  | 1MHz                              | 2.0MHz  | 27MHz   | 6-9MHz                      |                  |
| HR002       | -1.8/-3                        | -1.7/-3   | -1.8/-3 | -                                 | -50/-53 | -55/-60 | -10                         | 1CT:1            |
| HR002-1     | -2.5/-3                        | -2.2/-2.5 | -2.5/-3 | -                                 | -65/-70 | -47/-55 | -10                         | 1CT:1            |
| HR002-1M*   | -2.5/-3                        | -2.2/-2.5 | -2.5/-3 | -                                 | -65/-70 | -47/-55 | -10                         | 1CT:1            |
| HR002A      | -2.5/-3                        | -2.2/-2.5 | -2.5/-3 | -                                 | -65/-70 | -47/-55 | -10                         | 1CT:1            |
| HR002AM*    | -2.5/-3                        | -2.2/-2.5 | -2.5/-3 | -                                 | -65/-70 | -47/-55 | -10                         | 1CT:1            |
| HR002B      | -1.8/-3                        | -1.7/-3   | -1.8/-3 | -                                 | -50/-53 | -55/-60 | -10                         | 1CT:1            |
| HR002BA     | -1.8/-3                        | -1.7/-3   | -1.8/-3 | -                                 | -50/-53 | -55/-58 | -10                         | 1CT:1            |
| HR002C      | -2.2                           |           |         | -65                               | -       | -55     | -10                         | 1CT:1            |
| HR002M*     | -2.5/-3                        | -2.2/-2.5 | -2.5/-3 | -65/-70                           | -       | -47/-55 | 10                          | 1CT:1            |

Note:HR002C 1. Impedance(input/output):100 OHMS

2. FL (PASSBAND LOW FREQUENCY CORNER): 5MHz Typ
3. FH (PASSBAND HI FREQUENCY CORNER) : 10 MHz Typ
4. CMRR(5.5-9.5MHz) : 50 dB Min

**Mechanicals**

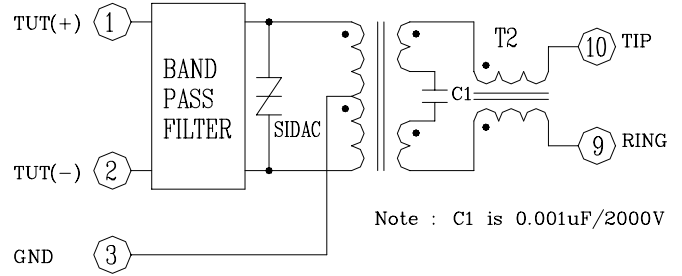
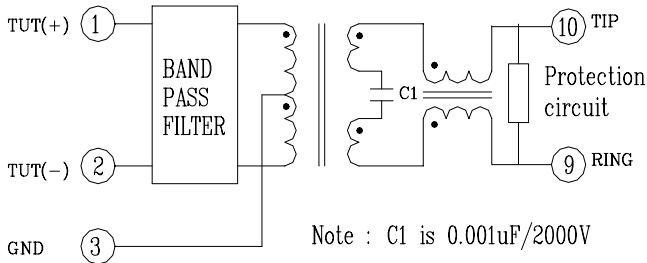


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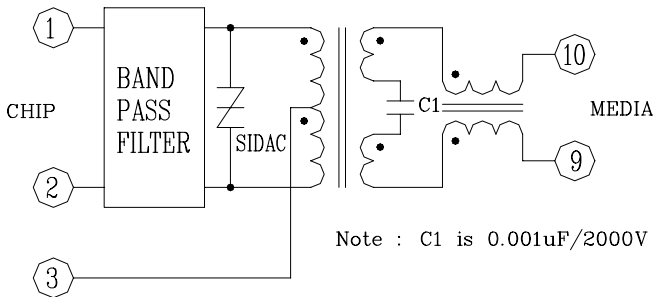
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**Schematics**

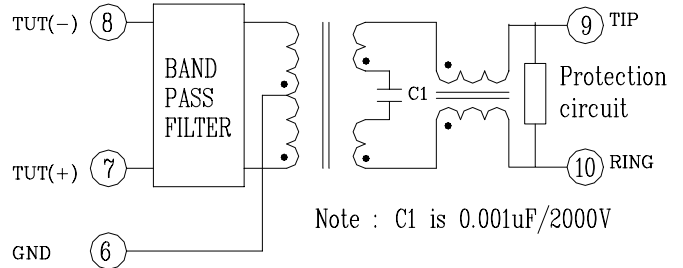
**HR002-1, HR002-1M**



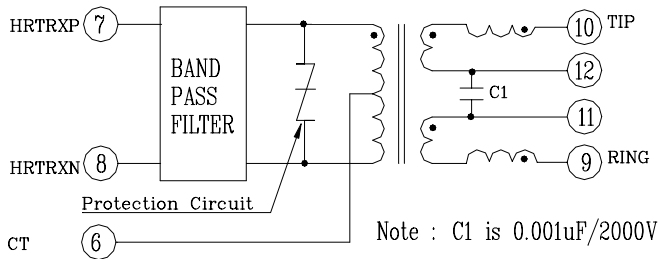
**HR002A, HR002AM**



**HR002B**



**HR002C**



**HR002M**

