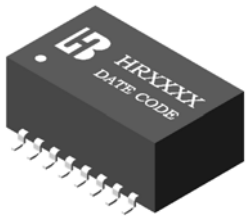
HOME LAN NETWORKING BANDPASS FILTERS

BOTHHAND USA

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

- Design for home LAN Networking , Phone line & Ethernet
- Supports TUT system home LAN technology
- Surface mountable
- Integrated 10/100 Base-T transmit & receive isolation & EMI Filter
- Storage temperature range: -40℃to +125℃.



Electrical Specifications @ 25℃ Operating Temperature range:0℃ to +70℃

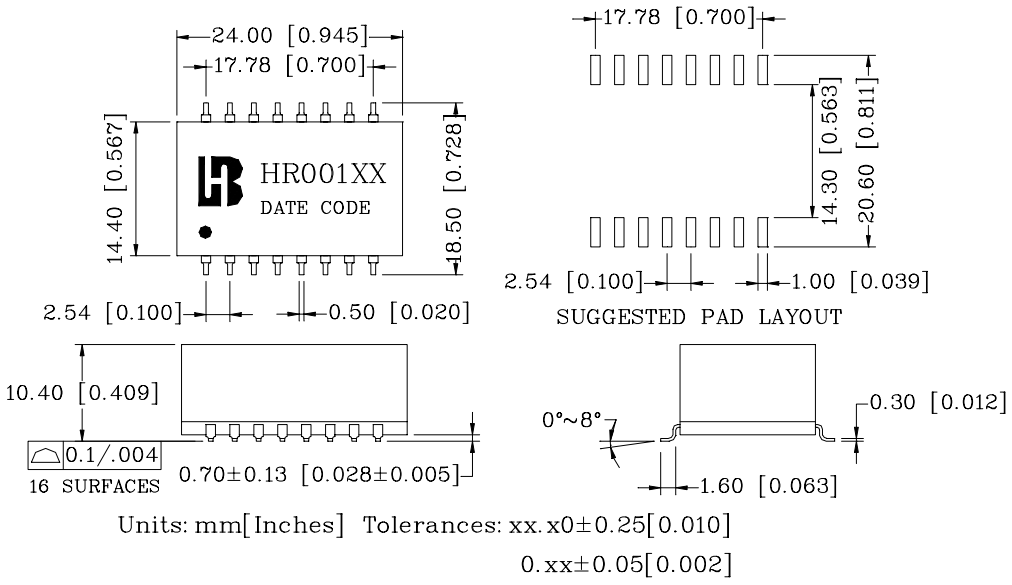
HI-POT: 1500Vrms "*" Operating temperature range : -40°C to +85°C .

"$" Inductance (TX& RX): 350 uH Min with 8mA DC Bias

Part Number	Turn Ratio TX/RX/TUT (±5%)	L/L (μH Max)	Inductance TX/RX(uH Min)	DCR TX/RX (Ω Normal/Max)
HR001	1CT:1.414CT/1:1CT/1CT:1	0.5	200	0.6/0.8
HR001A	1CT:1.414CT/1:1CT/1CT:1	0.5	200	0.8/1.0
HR001AM*	1CT:1.414CT/1:1CT/1CT:1	0.5	200	0.8/1.0
HR001B$	1CT:1CT/1:1CT/1CT:1	0.5	350	1.0
HR001BM$*	1CT:1CT/1:1CT/1CT:1	0.5	350	1.0
HR001M	1CT:1.414CT/1:1CT/1CT:1	0.5	300	0.6/0.8
HR001MM*	1CT:1.414CT/1:1CT/1CT:1	0.5	300	0.6/0.8
HR001R	1CT:1.414/1:1/1CT:1	0.7/1.2	140/180Typ	0.6/0.9

Part Number	Return Loss TX/RX (dB Min)	TUT Insertion (dB Max)	TUT Return Loss (dB Min)	TUT Attenuation (dB Min/ Normal)		Interwonding capacitance TX/RX (pF Max)
	1-10MHz	6-9MHz	6-9MHz	1.0MHz	27MHz	
HR001	-18/-23Typ	-4	-9.5	-65/-70	-47/-55	20
HR001A	-18/-23Typ	-3	10	-65-70	-47/-55	14
HR001AM*	-18/-23Typ	-3	10	-65/-70	-47/-55	14
HR001B$	-	-3	-10	-65/-70	-47/-55	30
HR001BM$*	-	-3	-10	-65/-70	-47/-55	30
HR001M	-18/-23Typ	-3	-10	-65/-70	-47/-55	20
HR001MM*	-18/-23Typ	-3	-10	-65/-70	-47/-55	20
HR001R	-18/-23Typ	-2.2	-12	-60/-65	-54/-58	14

Mechanicals



Units: mm[Inches] Tolerances: xx.x0±0.25[0.010]
0.xx±0.05[0.002]

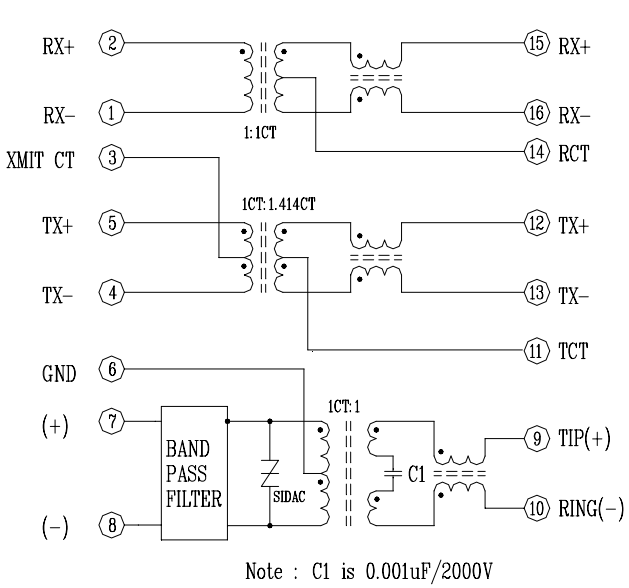
462 Boston St - Topsfield, MA 01983 - Phone: 978-887-8050 - Fax: 978-887-5434

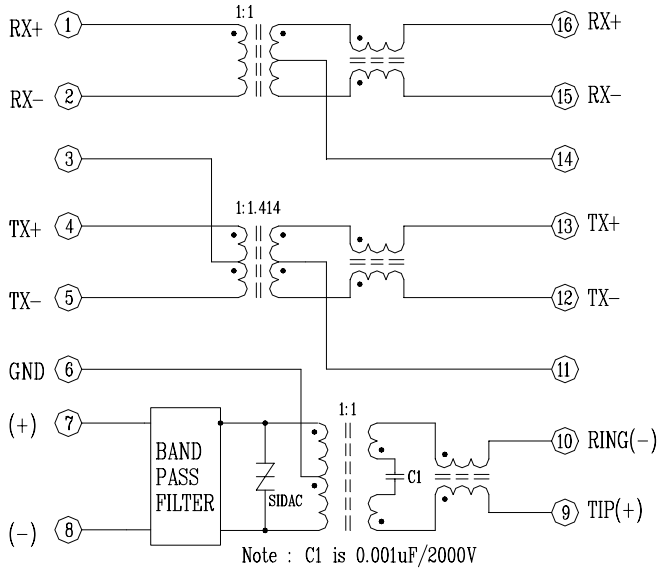
HOME LAN NETWORKING BANDPASS FILTERS

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

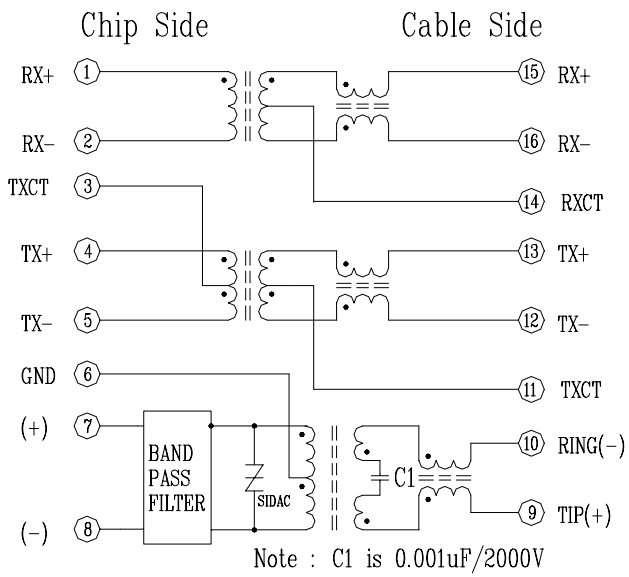
Schematics

HR001A, HR001AM

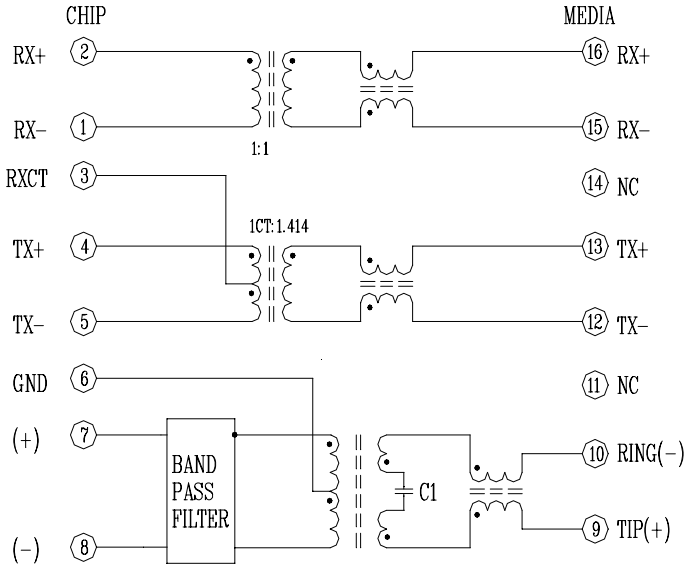




HR001B, HR001BM



HR001R



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