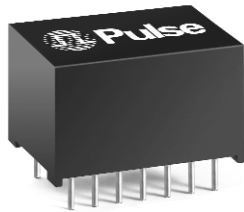


HOME PHONE NETWORKING BANDPASS AND 10BASE-T FILTER MODULE



- For use with Intel's 21145 Phonetline/Ethernet LAN Controller
- Supports HomePNA™ 1M8 Technology
- Includes protection circuitry, isolation and EMI filtering
- Contains 10BASE-T transmit and receive filters with isolation and EMI filtering

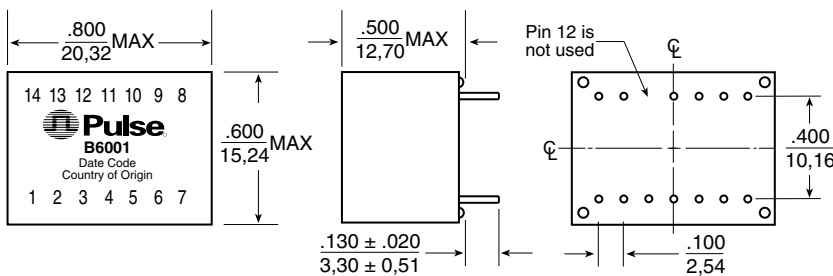
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

PARAMETER	TEST CONDITION	MIN.	NOM.	MAX.	UNITS
HPN 1M8 Insertion Loss					
6.0 MHz	Input (1-2), Output (14-13)		3.2	4	dB
7.5 MHz	HP-8751A S21 100 Ω		2.8	3.5	dB
9.0 MHz			3.4	4	dB
HPN 1M8 Attenuation					
1.0 MHz	Input (1-2), Output (14-13)	50	60		dB
27 MHz	HP-8751A S21 100 Ω	60	70		dB
HPN 1M8 Return Loss (6.0 MHz to 9.0 MHz)	Input (14-13), 100 Ω (1-2)	10	12		dB
	HP-8751A S11 100 Ω				
10BASE-T Transmit Insertion Loss(5 MHz to 10 MHz)	Input (6-7), Output (11-10)	0.8	1.3	1.8	dB
	HP-8751A S21 100 Ω				
10BASE-T Transmit Attenuation: 30 MHz	Input (6-7), Output (11-10)	30	40		dB
50 MHz	HP-8751A S21 100 Ω	30	40		dB
10BASE-T Transmit Return Loss(5 MHz to 10 MHz)	Input (11-10), 50 Ω (6-7)	18	23		dB
	HP-8751A S11 100 Ω				
10BASE-T Receive Insertion Loss(5 MHz to 10 MHz)	Input (5-4), Output (9-8)		0.7	1.0	dB
	HP-8751A S21 100 Ω				
10BASE-T Receive Return Loss(5 MHz to 10 MHz)	Input (9-8), 100 Ω (5-4)	18	23		dB
	HP-8751A S11 100 Ω				
Isolation	Pins (1-7) shorted to (8-14) shorted	2000			Vrms

Mechanical

Schematic

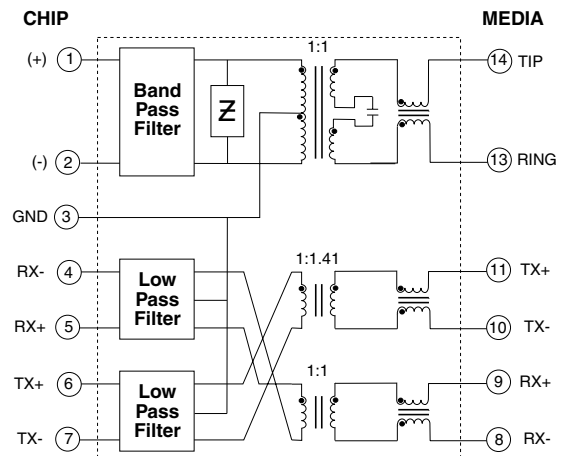
B6001



Weight 3.5 grams

Tube20/tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{.025}$



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PRELIMINARY B915.P (4/00)