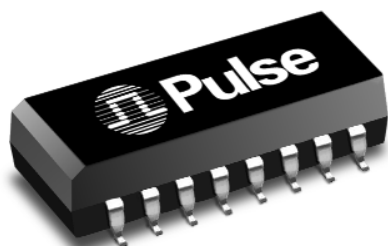


HOME PHONE NETWORKING BANDPASS FILTER



- Supports HomePNA™ 1M8 Technology
- Includes protection circuitry, isolation and EMI filtering
- Designed to withstand 235°C peak infrared reflow temperature

Electrical Specifications @ 25°C — Operating Temperature -40°C to 85°C

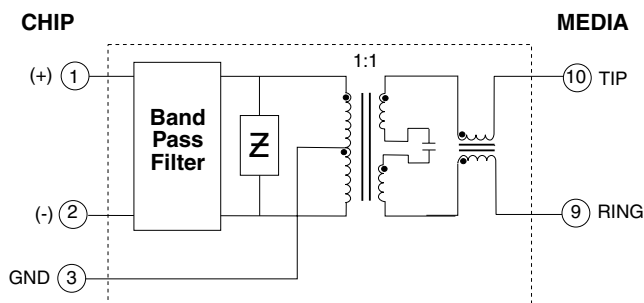
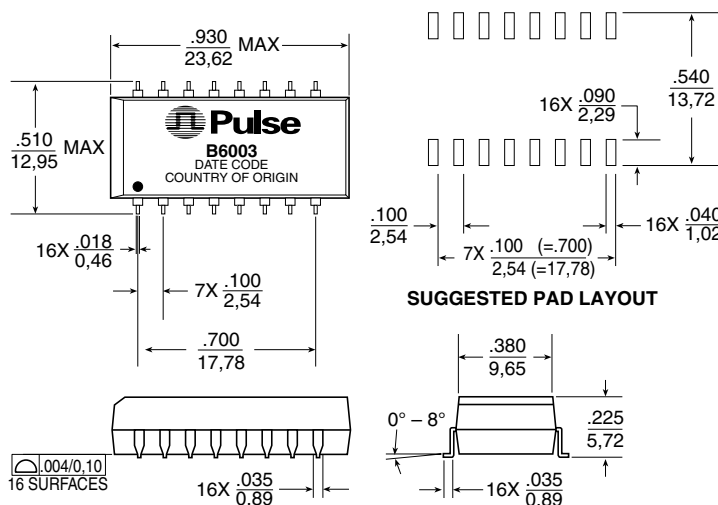
PARAMETER	TEST CONDITION	MIN.	NOM.	MAX.	UNITS
HPN 1M8 Insertion Loss					
6.0 MHz	Input (1-2), Output (10-9)		3.2	4	dB
7.5 MHz	HP-8751A S21 100 Ω		2.8	3.5	dB
9.0 MHz			3.4	4	dB
HPN 1M8 Attenuation					
1.0 MHz	Input (1-2), Output (10-9)	50	60		dB
27 MHz	HP-8751A S21 100 Ω	60	70		dB
HPN 1M8 Return Loss (6.0 MHz to 9.0 MHz)	Input (10-9), 100 Ω (1-2) HP-8751A S11 100 Ω	14 avg.			dB
Isolation	Pins (1-2) short to (10-9) shorted	2000			Vrms

NOTE: Filters are shipped in tubes unless Tape & Reel is specified. Please add the suffix "T" (i.e.B6003T) for Tape & Reel orders.

Mechanical

Schematic

B6003



Weight 2.5 grams
Tape & Reel350/reel
Tube20/tube

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

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DISTRIBUTOR

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PRELIMINARY B916.P (4/00)