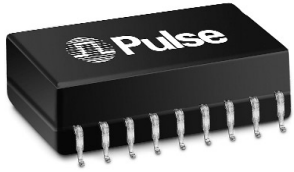


# HOME PHONE NETWORKING BANDPASS FILTER



- Approved by Agere Systems for use with Agere's HomeWire™ Chipsets HW3000/HW2000, HW3100/HW2000, and HW3130/HW2000
- Includes isolation and EMI filtering
- Designed to withstand 235°C peak infrared reflow temperature

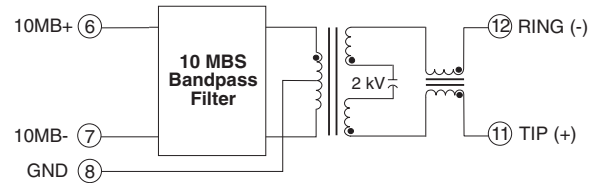
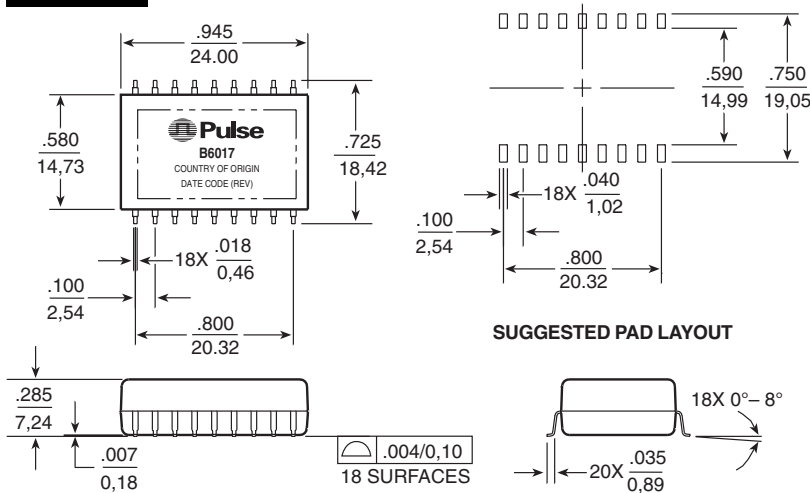
## Electrical Specifications @ 25°C — Operating Temperature -40°C to +125°C

10M8 PARAMETERS	MIN	MAX
<b>Insertion Loss</b> 4.75 MHz to 9.25 MHz	1.2 dB	2.2 dB
<b>Attenuation</b> 1.0 MHz 22.0 MHz 54.0 MHz	60 dB 35 dB 50 dB	
<b>Frequency Response (Ripple)</b> 4.75 MHz to 6.25 MHz 8.0 MHz to 9.25 MHz		0.7 dB 0.7 dB
<b>Return Loss</b> 4.75 MHz to 9.25 MHz	12.0 dB	
<b>Common to Differential Mode Rejection</b> 4 MHz to 10 MHz 20 MHz 50 MHz 100 MHz	50 dB 40 dB 40 dB 30 dB	
<b>Isolation</b>	2000 Vrms	

### Mechanical

### Schematic

#### B6017



Weight ..... 4.5 grams  
Tape & Reel ..... .250/reel  
Tube ..... .30/tube

Dimensions:  $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0.25}$

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**B977.A (9/01)**