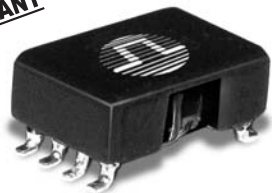






# HOME PHONE NETWORKING TRANSFORMER



-  Matched to Coppergate's HPNA3 chipset
-  Small form factor
-  For use in Gateways, Set-Top Boxes, and ONTs
-  Excellent return loss

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

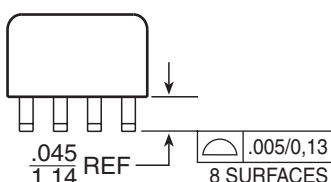
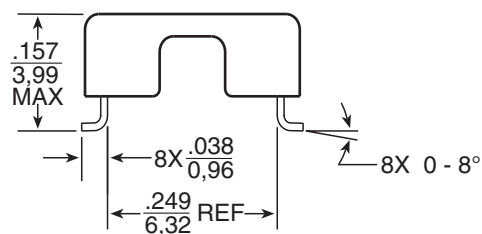
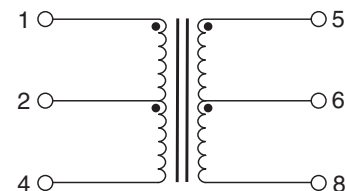
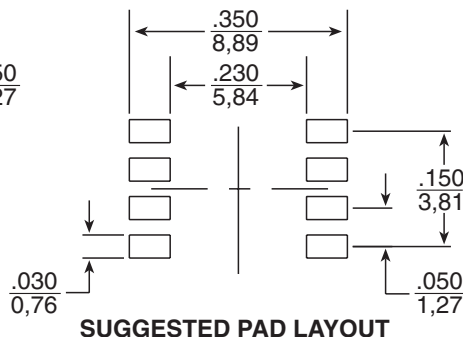
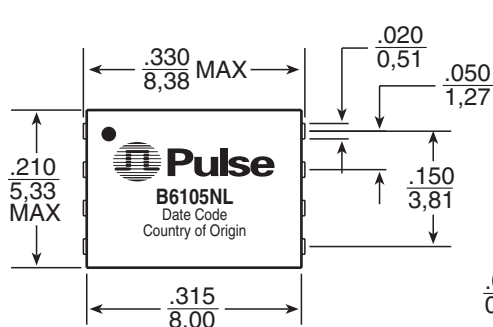
Part Number	Turns Ratio (±2%) (1-4):(5-8)	Inductance (@ 100kHz, 0.1Vrms)	Leakage Inductance (@ 100kHz, 0.1Vrms) (1-4) with (5-8) shorted	DC Resistance (1-4)	DC Resistance (5-8)	Interwinding Capacitance (@ 100kHz, 0.1Vrms)	Isolation Voltage (Vrms)
B6104NL	1:1	100µH MIN	0.5µH MAX	0.50Ω MAX	0.50Ω MAX	20pF MAX	1500
B6105NL	1.33:1	177µH MIN	0.5µH MAX	0.60Ω MAX	0.40Ω MAX	15pF MAX	1500
B6106NL	1.15:1	177µH MIN	0.5µH MAX	0.60Ω MAX	0.40Ω MAX	15pF MAX	1500

NOTE: Transformers are shipped in tubes, unless Tape & Reel packaging is specified by adding a "T" suffix to the part number (ex: B6104NLT).

## Mechanical

## Schematic

### B6104NL/ B6105NL/ B6106NL



Weight . . . . . 0.2 grams  
Tape & Reel . . . . . .95/reel  
Tube . . . . . .300/tube

Dimensions:  $\frac{\text{Inches}}{\text{mm}}$   
Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0.25}$

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