

xDSL SPLITTER FILTER MODULE

B8817NL



SmartER Series



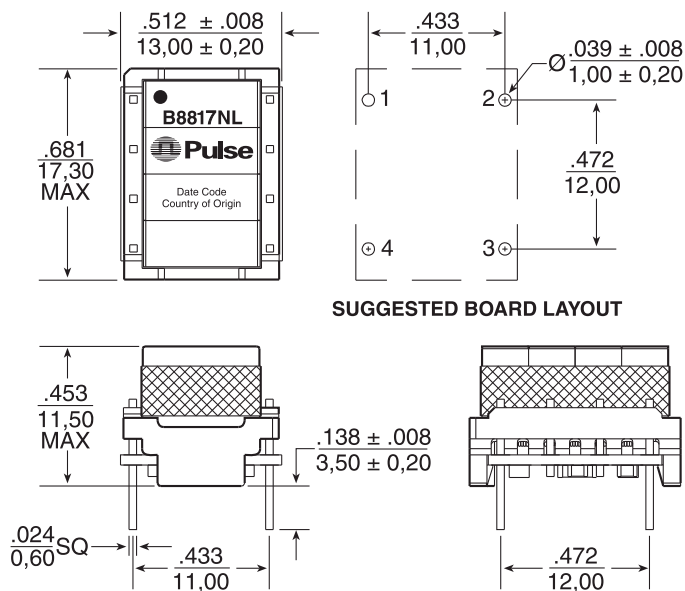
-  POTS CO splitter for ETSI 600 Ω ADSLto VDSL2 applications
-  POTS CO Splitter for China YD/T 1187-2006 ADSL2+ 600 Ω
-  LPF matched to 600 Ω impedance
-  Part of a standard series which has footprint compatibility
-  Compliant with Broadband Forum TR-127 for VDSL2 applications
-  Patented technology: US7598837, US7598839, CN1667763, EP1644943, TWI316724, CA2531599

Electrical Specifications @ 25°C

PARAMETER	FREQUENCY	
POTS Impedance	200 Hz to 4 kHz	600 Ω
POTS Insertion Loss	@ 1 kHz	0.3 dB MAX
POTS Insertion Loss Distortion	200 Hz to 4 kHz	0.3 dB MAX
POTS Return Loss	300 Hz to 500Hz / 2.0 kHz to 3.4 kHz	14 dB MIN
	500 Hz to 2.0 kHz	18 dB MIN
Group Delay	200 Hz to 3.4 kHz	150 μ S MAX (Typical 65 μ S)
Longitudinal Balance	50 Hz to 600 Hz / 3.4 kHz to 30 kHz	40 dB MIN
	600 Hz to 3.4 kHz / 30 kHz to 1.1 MHz	46 dB MIN
	1.1 MHz to 30 MHz	30 dB MIN
xDSL Insertion Loss	30 kHz to 30 MHz	55 dB MIN
Tip to Ring Capacitance	—	20 nF MIN 115 nF MAX
Tip to Ring Insulation Resistance	—	5 M Ω MIN
DC Current	—	100 mA MAX
Total DC Resistance	—	25 Ω MAX

Mechanical

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SUGGESTED BOARD LAYOUT

Weight 5.5 grams
Tray 80/Tray

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

Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0,25}$

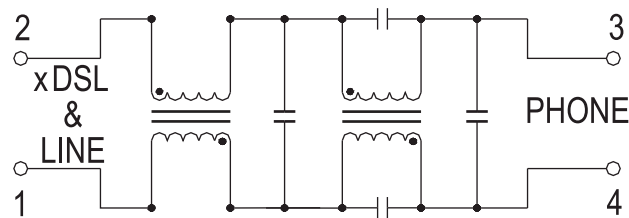
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Schematic

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