

xDSL SPLITTER FILTER MODULE

B8817NL



SmartER Series



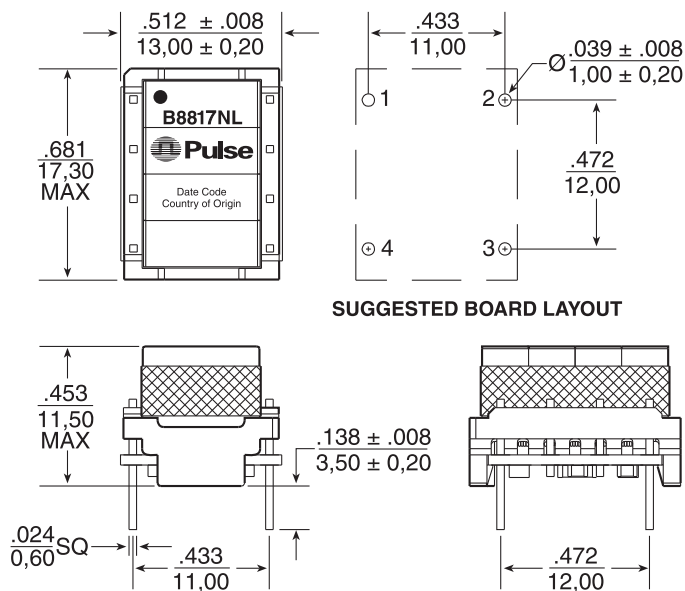
-  POTS CO splitter for ETSI 600 Ω ADSLto VDSL2 applications
-  POTS CO Splitter for China YD/T 1187-2006 ADSL2+ 600 Ω
-  LPF matched to 600 Ω impedance
-  Part of a standard series which has footprint compatibility
-  Compliant with Broadband Forum TR-127 for VDSL2 applications
-  Patented technology: 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 μS MAX (Typical 65 μS)
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 MΩ 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 $\pm \frac{.010}{0,25}$

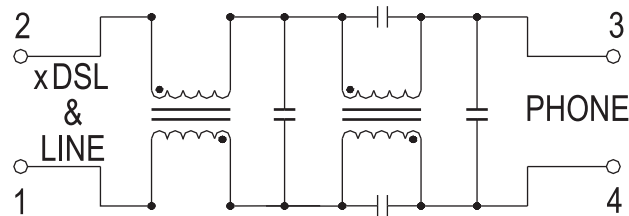
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Schematic

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