







# XDSL SPLITTER FILTER MODULE

## B8802NL

SmartER series



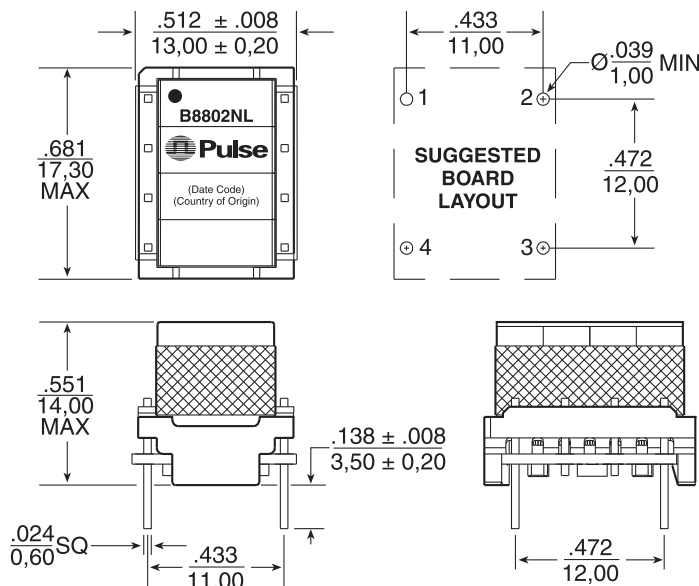
-  POTS CO splitter for standard ADSL / VDSL2 applications
-  LPF compliant to ATIS specification TRQ.10.2009 Type A and Type C for short loops (CO)
-  Part of a standard series which has footprint compatibility
-  For ADSL, ADSL2+, VDSL and VDSL2 applications
-  Compliant with Broadband Forum TR-127 standard for VDSL2 applications
-  Patented technology US7598837, US7598839, CN1667763, EP1644943, TWI316724, CA2531599

### Electrical Specifications @ 25°C

PARAMETER	FREQUENCY	CO	CPE
POTS Impedance	100 Hz to 4 kHz	900 Ω	600 Ω
POTS Insertion Loss	1 kHz	0.75 dB MAX	0.6 dB MAX
POTS Insertion Loss Dist ortion relative to 1 kHz	200 Hz to 3.4 kHz	0.5 dB to 1.5dB	0.5 dB to 1.5 dB
	3.4 kHz to 4 kHz	1.0 dB to 1.5 dB	1.0 dB to 1.5 dB
POTS Return Loss	200 Hz (SRL-L)	5 dB MIN	5 dB MIN
	1 kHz (ERL)	8 dB MIN	8 dB MIN
	2.2 kHz (SRL-H)	5 dB MIN	5 dB MIN
Longitudinal Balance	200 Hz to 3 kHz	58 dB MIN	58 dB MIN
xDSL Insertion Loss	25 kHz to 32 kHz	55 dB	55 dB
	32 kHz to 12 MHz	65 dB	65 dB
	12 MHz to 30 MHz	55 dB	55 dB
DC Current		100 mA MAX	100 mA MAX
Total DC Resistance		25 Ω MAX	25 Ω MAX

### Mechanical

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Weight ..... 5.0 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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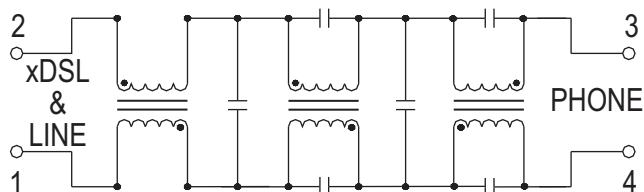
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### Schematic

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