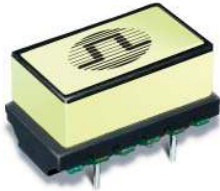







# XDSL SPLITTER FILTER MODULE

## B8813NL

SmartER Series



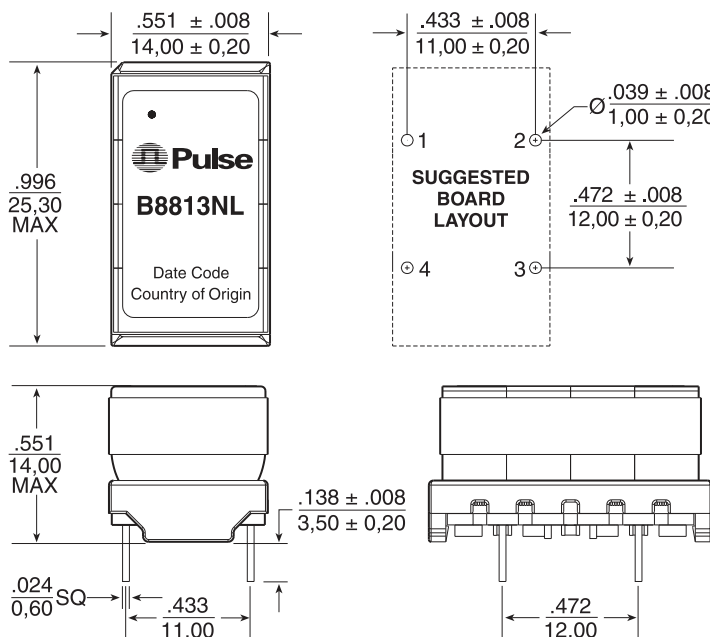
-  POTS CO splitter for standard ADSL / VDSL2 applications
-  LPF compliant to ATIS specification TRQ.10.2009 Type A for short and long loops
-  Part of a standard series which has footprint compatibility
-  For ADSL, ADSL2+, VDSL and VDSL2 applications
-  Compliant with Broadband Forum TR-127 standard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

### Electrical Specifications @ 25°C

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

### Mechanical

**B8813NL**



Weight . . . . . 10 grams  
Tray . . . . . 80/tray

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

# XDSL SPLITTER FILTER MODULE

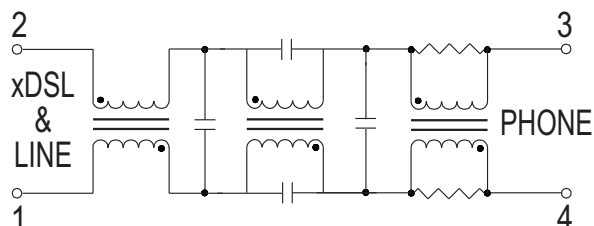
## B8813NL

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### Schematic

**B8813NL**



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