



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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XDSL SPLITTER FILTER MODULE

B8846NL

SmartER Series



Pulse
A TECHNITROL COMPANY



- ⊕ POTS CO splitter for standard ADSL2/VDSL2 (ITU G993.2) applications
- ⊕ LPF compliant with ETSI complex impedance ($Z_L = 270 \Omega + 750 \Omega / 150 \text{ nF}$), option B of ETSI TS 101-952-1, v1.1.1 and to BT SIN-346 complex impedance ($Z = 320 \Omega + 1050 \Omega / 230 \text{ nF}$)
- ⊕ 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	
POTS Impedance	100 Hz to 4 kHz	$Z_L=270 \Omega+750 \Omega /150 \text{ nF} - Z=320 \Omega+1050 \Omega /230 \text{ nF}$
POTS Insertion Loss	1 kHz	1d dB MAX
POTS Insertion Loss Distortion relative to 1 kHz	200 Hz to 4 kHz	1 dB MAX
POTS Return Loss	300 Hz to 2 kHz	18 dB MIN
	2 kHz to 3.4 kHz	14 dB MIN
POTS Group Delay	200 Hz to 4 kHz	200 μs MAX
Longitudinal Balance	50 Hz to 600 Hz	40 dB MIN
	600 Hz to 3.4 kHz	46 dB MIN
	3.4 kHz to 4 kHz	40 dB MIN
xDSL Insertion Loss	32 kHz to 140 kHz	45 dB MIN
	140 kHz to 30 MHz	55 dB MIN
DC Current		80 mA MAX
Total DC Resistance		50 Ω MAX

The mechanical and schematic are on the next page.

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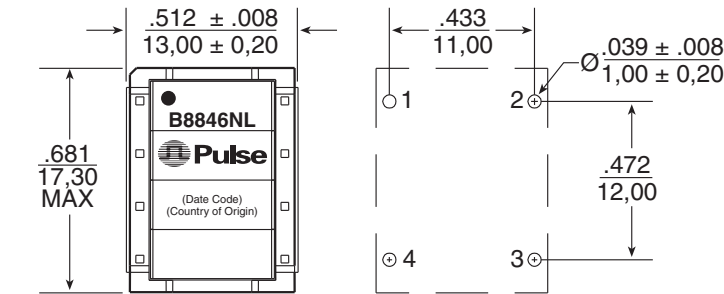


Pulse

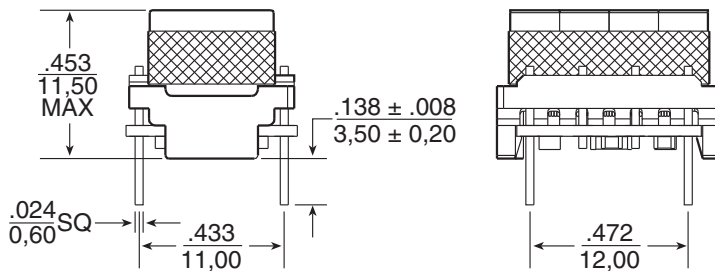
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Mechanical

B8846NL



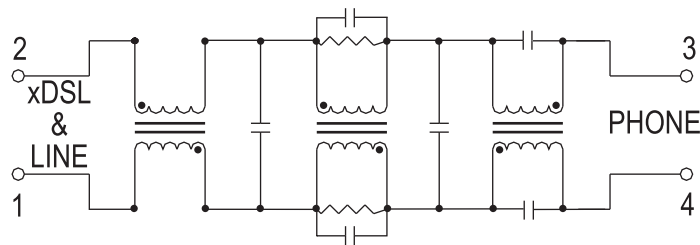
SUGGESTED BOARD LAYOUT



Weight 5.0 grams
 Tray80/tray
 Dimensions: Inches
 mm
 Unless otherwise specified,
 all tolerances are $\pm \frac{.010}{0,25}$

Schematic

B8846NL



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