



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

B8845NL

SmartER Series



Pulse

A TECHNITROL COMPANY



- POTS and ISDN CO splitter for standard ADSL / VDSL2 applications
- LPF compliant with ETSI specification TS 101-952-1-4, v1.1.1 matched to DT Complex Impedance ($Z_R = 220 \Omega + 820 \Omega / 115 \text{ nF}$) and ISDN 4B3T
- Part of a standard series with 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	
ISDN Impedance	1 kHz to 80 kHz	150 Ω
ISDN Insertion Loss	1 kHz to 60 kHz	1.2 dB MAX
	60 kHz to 80 kHz	2.0 dB MAX
ISDN Return Loss	1 kHz to 60 kHz	16 dB MIN
	60 kHz to 80 kHz	14 dB MIN
POTS Impedance	200 Hz to 4 kHz	($Z_R = 220 \Omega + 820 \Omega / 115 \text{ nF}$)
POTS Insertion Loss	@ 1 kHz	1.0 dB MAX
POTS Insertion Loss Distortion	200 Hz to 4 kHz	1.0 dB MAX
POTS Return Loss	300 Hz to 1.6 kHz	15 dB MIN
	1.6 kHz to 3.4 kHz	12 dB MIN
POTS Group Delay Distortion	200 Hz to 4 kHz	<200 μS
Longitudinal Balance	50 Hz to 30 kHz	40 dB MIN
	30 kHz to 1104 kHz	50 dB MIN
	1104 kHz to 30 MHz	30 dB MIN
xDSL Insertion Loss	138 kHz to 150 kHz	55 dB MIN
	150 kHz to 1.1 MHz	65 dB MIN
	1.1 MHz to 30 MHz	55 dB MIN
ISDN Group Delay Distortion	1 kHz to 80 kHz	<20 μS
Metering Pulses	12 kHz and 16 kHz	3 dB MAX
DC Current		80 mA MAX
Total DC Resistance		5.8 Ω MAX

Mechanical and schematic on following page . . .

XDSL SPLITTER FILTER MODULE

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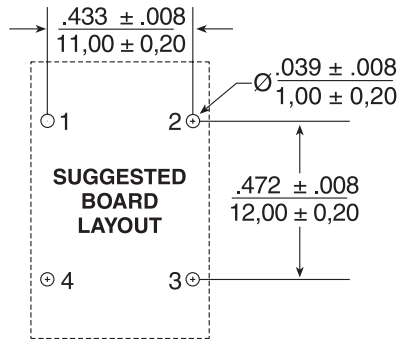
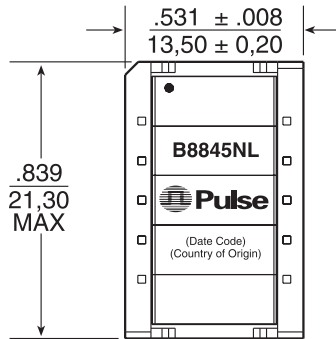
SmartER Series



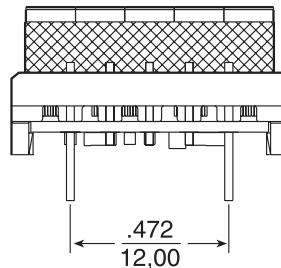
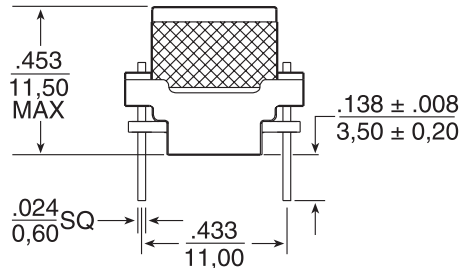
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Mechanical

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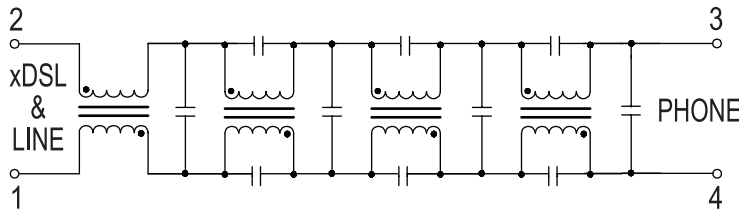


Weight 8.0 grams
 Tray 80/tray
 Dimensions: Inches
 mm
 Unless otherwise specified,
 all tolerances are ± .010
 0,25



Schematic

B8845NL



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