

XDSL SPLITTER FILTER MODULE

B8849NL

SmartER series



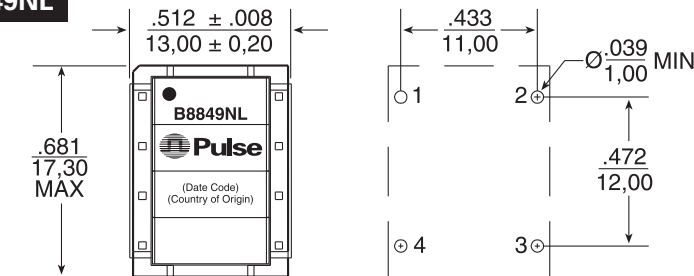
- POTS CO Splitter for standard ADSL/VDSL2 (ITU-T G993.2) applications
- LPF matched to ETSI complex impedance ($Z_L = 270 \Omega + 750 \Omega/150 \text{ nF}$) and to option A of ETSI specification TS 101-952-1, v1.1.1
- Part of a standard series which has footprint compatibility
- For ADSL, ADSL2+, 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

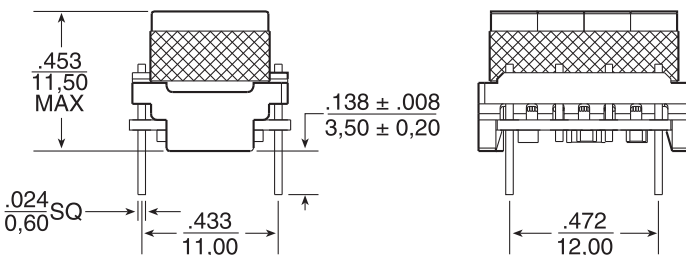
PARAMETER	FREQUENCY	
POTS Impedance	100 Hz to 4 kHz	270 Ω + 750 Ω /150 nF
POTS Insertion Loss	1 kHz	1.0 dB MAX
POTS Insertion Loss Distortion relative to 1 kHz	200 Hz to 4 kHz	1.0 dB MAX
	300 Hz to 3.2 kHz	12 dB MIN
POTS Return Loss	3.2 kHz to 3.4 kHz	11.5 dB MIN
	3.4 kHz to 4 kHz	8 dB MIN
POTS Group Delay	200 Hz to 4k Hz	200 μ s 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 30 MHz	55 dB MIN
DC Current		80 mA MAX
Total DC Resistance		50 Ω MAX

Mechanical

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SUGGESTED BOARD LAYOUT



Weight, 5.0 grams
 Tray, 80/tray

Dimensions: Inches
 mm
 Unless otherwise specified,
 all tolerances are $\pm \frac{.010}{0,25}$

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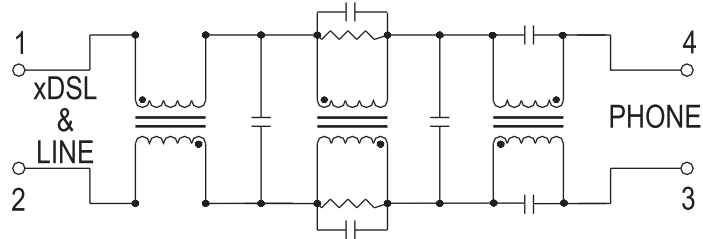


Pulse

A TECHNITROL COMPANY

Schematic

B8849NL



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