

XDSL SPLITTER FILTER MODULE

B8849NL

SmartER series



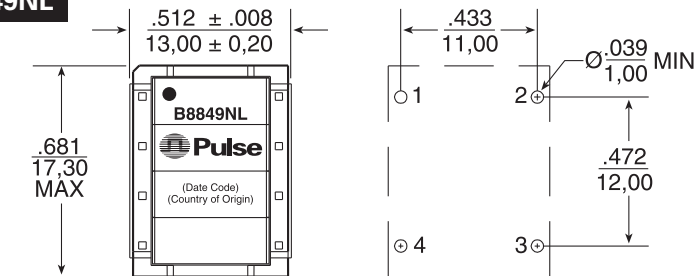
- POTS CO Splitter for standard ADSL/VDSL2 (ITU-T G993.2) applications
- LPF matched to ETSI complex impedance ($Z_L = 270 \Omega + 750 \Omega/150 \text{ nF}$) and to option A of ETSI specification TS 101-952-1, v1.1.1
- Part of a standard series which has footprint compatibility
- For ADSL, ADSL2+,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

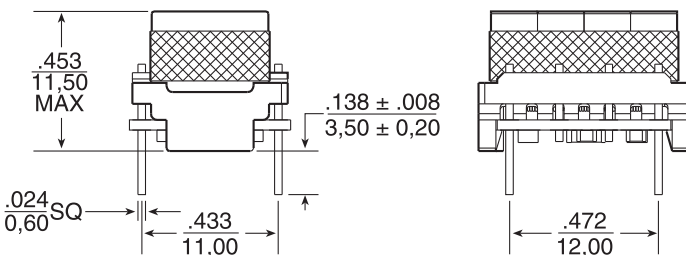
PARAMETER	FREQUENCY	
POTS Impedance	100 Hz to 4 kHz	$270 \Omega + 750 \Omega/150 \text{ nF}$
POTS Insertion Loss	1 kHz	1.0 dB MAX
POTS Insertion Loss Distortion relative to 1 kHz	200 Hz to 4 kHz	1.0 dB MAX
	300 Hz to 3.2 kHz	12 dB MIN
POTS Return Loss	3.2 kHz to 3.4 kHz	11.5 dB MIN
	3.4 kHz to 4 kHz	8 dB MIN
POTS Group Delay	200 Hz to 4k Hz	200 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 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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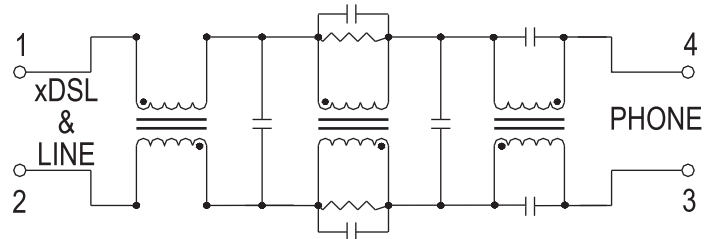
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Schematic

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