XDSL SPLITTER FILTER MODULE

B8859NL

SmartER series

Pulse
A TECHNITROL COMPANY

RoHS COMPLIANT



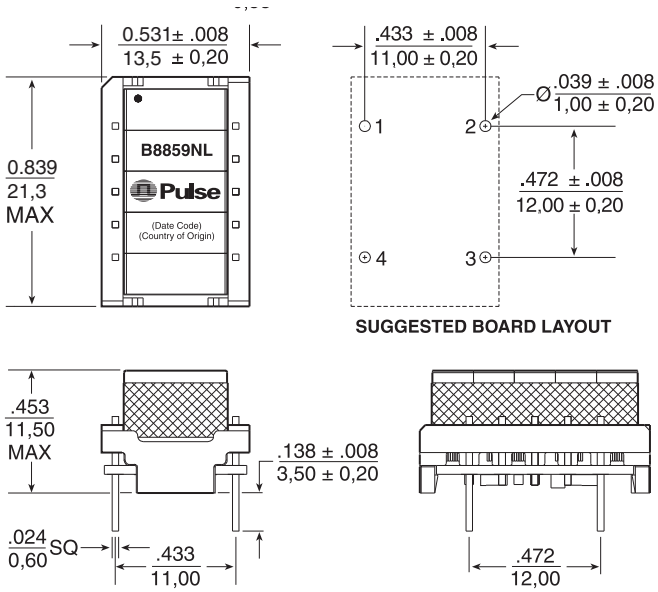
- POTS CO splitter for standard ADSL / VDSL2 applications
- LPF compliant with ETSI complex impedance (Z_L = 270 Ω + 750 Ω/150 nF), and option A of ETSI specification TS 101-952-1 v1.1.1, and with the optional requirement, relative to metering pulse at 12 kHz (Clause 6.7)
- Part of a standard series 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 dB MAX
POTS Insertion Loss Distortion relative to 1 kHz	200 Hz to 4 kHz	1 dB MAX
POTS Return Loss	200 Hz to 3.4k Hz 3.4k Hz to 4 kHz	12 dB MIN 8 dB MIN
POTS Group Delay	200 Hz to 4 kHz	200 µs MAX
Longitudinal Balance	50 Hz to 600 Hz 600 Hz to 3.4 kHz 3.4 kHz to 4 kHz	40 dB MIN 46 dB MIN 40 dB MIN
xDSL Insertion Loss	32 kHz to 30 MHz	55 dB MIN
DC Current		80 mA MAX
Metering Pulse	12 kHz	3 dB MAX
Total DC Resistance		50 Ω MAX

Mechanical

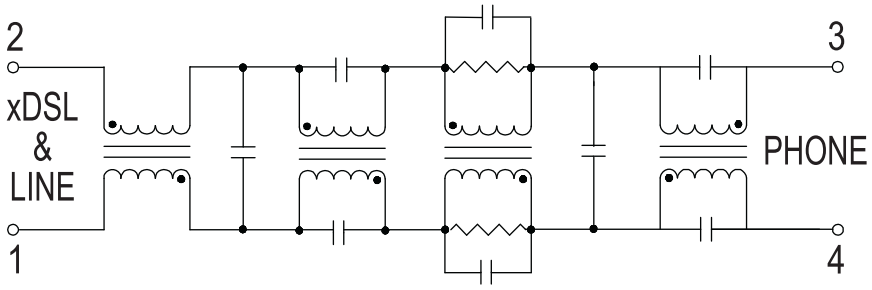
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Weight . . . . . 5.0 grams
Tray 80/tray
Dimensions: Inches / mm
Unless otherwise specified, all tolerances are ± .010 / 0,25

Schematic

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