







# XDSL SPLITTER FILTER MODULE

SmartER series



-  POTS CO Splitter for standard ADSL/VDSL2 (ITU-T G993.2) applications
-  LPF matched to ETSI complex impedance ( $Z_L = 270\Omega + 750\Omega/150nF$ ) and to option A of ETSI specification TS 101-952-1-1 v1.2.1
-  Part of a standard series which has footprint compatibility
-  For ADSL, ADSL2+, VDSL and VDSL2 applications
-  RoHS-6 compatible
-  Patented technology

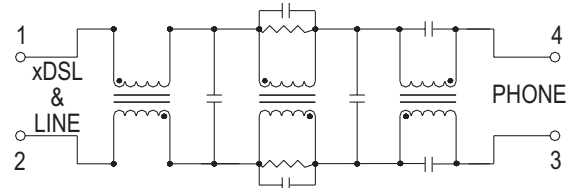
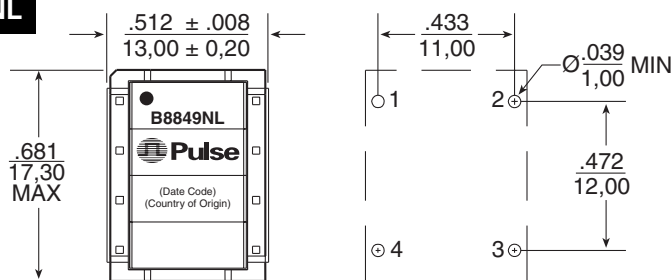
## Electrical Specifications @ 25°C

PARAMETER	FREQUENCY	
POTS Impedance	100Hz to 4kHz	270Ω + 750Ω /150nF
POTS Insertion Loss	1kHz	1.0dB MAX
POTS Insertion Loss Distortion relative to 1 kHz	200Hz to 4kHz	1.0dB MAX
POTS Return Loss	300Hz to 3.2kHz	12dB MIN
	3.2kHz to 3.4kHz	11.5dB MIN
	3.4kHz to 4kHz	8dB MIN
POTS Group Delay	200Hz to 4kHz	200μs MAX
Longitudinal Balance	50Hz to 600Hz	-40dB MIN
	600Hz to 3.4kHz	-46dB MIN
	3.4kHz to 4kHz	-40dB MIN
xDSL Insertion Loss	32kHz to 30MHz	55dB MIN
DC Current		80mA MAX
Total DC Resistance		50Ω MAX

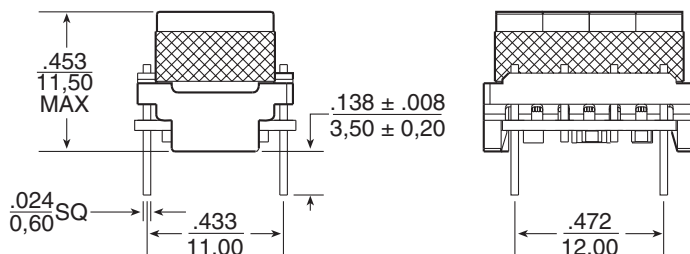
## Mechanical

## Schematic

**B8849NL**



### SUGGESTED BOARD LAYOUT



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

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