







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

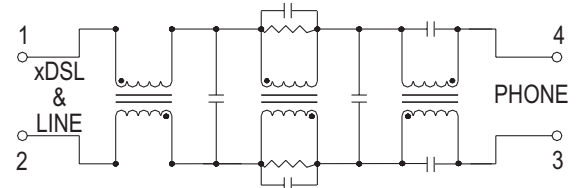
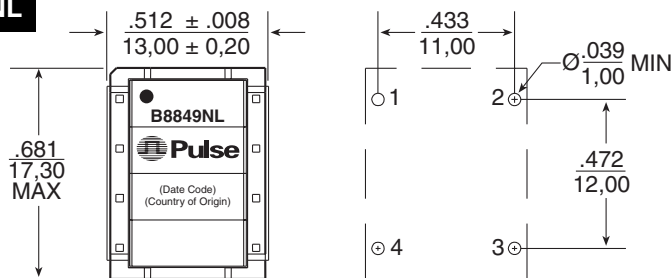
Electrical Specifications @ 25°C

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

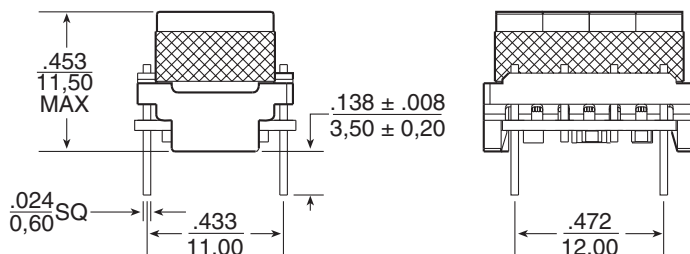
Mechanical

Schematic

B8849NL



SUGGESTED BOARD LAYOUT



Weight 5.0 grams
 Tray80/tray
 Dimensions: $\frac{\text{Inches}}{\text{mm}}$
 Unless otherwise specified,
 all tolerances are $\pm \frac{.010}{0.25}$

For More Information:

Pulse Worldwide Headquarters
 12220 World Trade Dr.
 San Diego, CA 92128
 U.S.A.
www.pulseeng.com

Pulse Europe
 Einsteinstrasse 1
 D-71083 Herrenberg
 Germany

Pulse China Headquarters
 B402, Shenzhen
 Tech-Innovation International
 Tenth Kejianan Rd.
 High-Tech Industrial Park
 Nanshan District, Shenzhen
 China

Pulse North China
 Room 1503
 XinYin Building
 No. 888 YiShan Rd.
 Shanghai 200233
 China

Pulse South Asia
 150 Kampong Ampat
 #07-01/02
 KA Centre
 Singapore 368324

Pulse North Asia
 No. 26
 Kao Ching Rd.
 Yang Mei Chen
 Tao Yuan Hsien
 Taiwan, R. O. C.

Tel: 858 674 8100
 Fax: 858 674 8262

Tel: 49 7032 7806 0
 Fax: 49 7032 7806 12

Tel: 86 755 33966678
 Fax: 86 755 33966700

Tel: 86 21 54643211/2
 Fax: 86 21 54643210

Tel: 65 6287 8998
 Fax: 65 6280 0080

Tel: 886 3 4641811
 Fax: 886 3 4641911

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2007. Pulse Engineering, Inc. All rights reserved.