

# XDSL SPLITTER FILTER MODULE

## B8887NL

SmartER Series



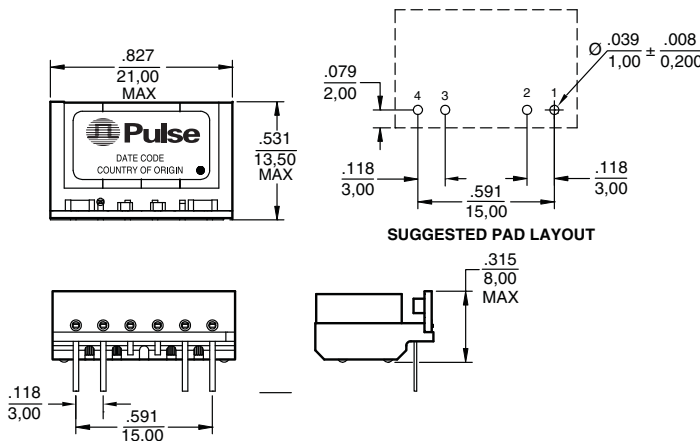
-  POTS CO splitter for standard ADSL / VDSL2 applications
-  LPF compliant to China YD/T 1187-2006 ADSL2+ and VDSL2 requirements
-  LPF matched to 600  $\Omega$  impedance
-  Low profile part
-  Compliant with Broadband Forum TR-127 standard for VDSL2 applications
-  Patented technology US7598837, US7598839, CN1667763, EP1644943, TWI316724, CA2531599

### Electrical Specifications @ 25°C

PARAMETER	FREQUENCY	
POTS Impedance	100 Hz to 3.4k Hz	600 $\Omega$
POTS Insertion Loss	1 kHz	0.3 dB MAX
POTS Insertion Loss Distortion relative to 1 kHz	300 Hz to 3.4 kHz	0.3 dB MAX
POTS Return Loss	300 Hz to 500 Hz / 2 kHz-3.4 kHz	14 dB MIN
	500 Hz to 2kHz	18 dB MIN
POTS Group Delay	500 Hz to 3.4 kHz	150 $\mu$ s MAX
Longitudinal Balance	50 Hz to 600 Hz	40 dB MIN
	600 Hz to 3.4 kHz	46 dB MIN
	3.4k Hz to 30 kHz	40 dB MIN
	30 kHz to 1104 kHz	45 dB MIN
	1104 kHz to 12 MHz	30 dB MIN
xDSL Attenuation	20kHz to 138 kHz	45 dB MIN
	138 kHz to 17 MHz	55 dB MIN
Tip to Ring Capacitance	—	20 nF MIN 115 nF MAX
Tip to Ring Insulation	—	5 M $\Omega$ MIN
DC Current	—	100 mA MAX
Total DC Resistance	—	25 $\Omega$ MAX

### Mechanical

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Weight . . . . . 5.0 grams  
 Tray . . . . . .60/tray  
 Dimensions:  $\frac{\text{Inches}}{\text{mm}}$   
 Unless otherwise specified, all  
 tolerances are  $\pm \frac{.010}{0,25}$

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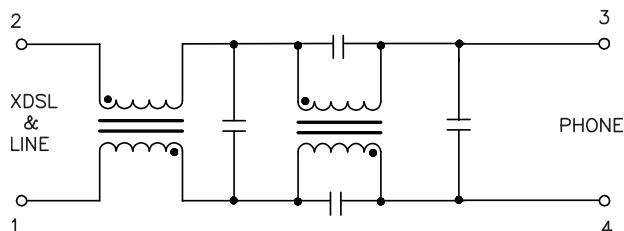
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### Schematic

**B8887NL**



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