

**PREMIER®**

## ADSL POTS Splitter - Outdoor Ancillary Device

The PREMIER ADSL POTS (Plain Old Telephone Service) Splitter Outdoor Ancillary Device is a passive unit which allows both voice and data signals to transmit separately over telephone lines. This device can be mounted externally on a wall or conduit. With wiring terminals for each of three splitter ports in an environmentally hardened casing, the PREMIER ADSL POTS Splitter is extremely versatile and durable.



### Features & Benefits

- » Outdoor housing with environmental protection
- » Wall or conduit mounting options
- » Wiring terminals for each splitter port (Network, Data, Voice)
- » ANSI T1.413 compliant
- » UL-listed to U.S. and Canadian safety standards
- » FCC registered; Part 68 compliant
- » Provides network test signatures
- » Can be mounted in wiring closet
- » Simple screw terminal installation

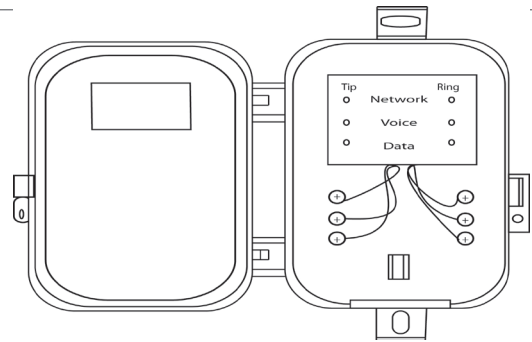
### Ordering Information

Item Number	Part Number	Description
0000161278	PT-DSL-OD-SPLIT	ADSL POTS Splitter

## PREMIER® ADSL Technical Specifications

### Electrical (Complies with ANSI T1.413 Issue 2 Annex E)

DC Loop Current.....	0 to 100 mA
DC Loop Voltage (tip-to-ring).....	0 to - 60 VDC
Ringing Signals.....	103 Vrms superimposed on the DC Loop Voltage, 20 to 30 Hz
DC Resistance.....	≤ 25 ohms,POTS tip-to-ring with Line port (U-R) shorted
Insertion Loss.....	≤ 1.0 dB; short loop, ZTc=900, ZTr=600, 1004 Hz ≤ 0.75 dB; long loop, ZTc=900, ZTr=600, 1004 Hz
Attenuation Distortion (Voice Band) ..... increase relative to Insertion Loss at 1004 Hz	+1.5 to -1.5; 0.2 -3.4 kHz, short loop, ZTc=900, ZTr=600 +2.0 to -2.0; 3.4 - 4.0 kHz, short loop, ZTc=900, ZTr=600 -0.5 to -1.5; 0.2 - 4.0 kHz, long loop, ZTc=900, ZTr=600
Delay Distortion (Voice Band) increase.....	≤ 200μs; 0.6 - 3.2 kHz, short loop, ZTc=900, ZTr=600 ≤ 250μs; 0.2 - 4.0 kHz, short loop, ZTc=900, ZTr=600 ≤ 200μs; 0. - 3.2 kHz, long loop, ZTc=900, ZTr=600 ≤ 250μs; 0.2 - 4.0 kHz, long loop, ZTc=900, ZTr=600
Return Loss (Voice Band).....	>6 dB ERL, > 5 dB SRL-L, > 3dB SRL-H; short and long loop >2 dB SRL-H; short and long loop, single frequency
Longitudinal Balance, Two Port Technique.....	>58 dB; 0.2-1.0 kHz
POTS to Line Port (U-R) and Line Port (U-R).....	>straight line from 58 dB @ 1 kHz to 53 dB @3.0 kHz, to POTS Bias 25 mA DC
Tip-to-Ring Capacitance, POTS Port.....	20 ≤ C ≤115 nF;20 - 30 Hz (Note:T1.413 Issue 2 requires ≤ 90 nF, plans are to increase this in Issue 3 to ≤ 115 nF)
Capacitance to Ground, POTS Port.....	≤1.0 nF; 20 - 30 Hz
ADSL Band Attenuation.....	>65 dB; 30 - 300 kHz, ZTr=600 >55 dB; 300 -104 kHz, ZTr=600
Input Impedance.....	≤0.25 dB; 30 -1104 kHz, ZTr=600



### Environmental

Lightning Surge.....	GR-1089-CORE Level 1 and Level 2 surge
Power Cross.....	GR-1089-CORE First and Second Level AC Power Fault Immunity
Operating Temperature.....	-40 to +65°C (-40 to 149°F)
Relative Humidity.....	0 to 95%, non-condensing

### Safety

UL-listed to U.S. and Canadian safety standards

FCC Part 68 compliant



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For more information, visit [www.dependonpremier.com](http://www.dependonpremier.com) or call 1.800.755.1950.