

# ADSL POTS LOW PASS FILTER FOR CUSTOMER PREMISES



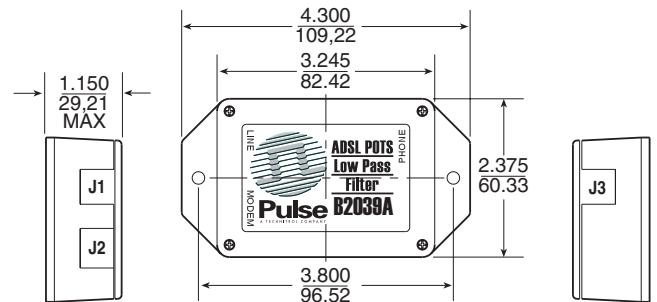
- Compatible with all ADSL coding schemes
- Meets ANSI T1.413 and ITU-T G.992.1 (G.DMT) standards
- Compact package, includes connectors for ease of installation

## Mechanical

### Electrical Specifications @ 25°C – Operating Temperature -40°C to 85°C

Tested with up to:	100 mA DC Current
Impedance (Line and Phone Ports)	600 Ω
DCR each line	10 Ω MAX
Filter Characteristics	POTS/Loops/Modem
Voice Band Delay Distortion	200 μSec MAX
POTS Splitter 1 kHz Insertion Loss	0.75 dB MAX
200 Hz to 3.4 kHz I/L, Long Loop	+ .5 to -1.5 dB
3.4 kHz to 4 kHz I/L, Long Loop	+1.0 to -1.5 dB
-3dB Frequency (TYP)	14 kHz
Return Loss: (reference impedance)	ZNL-r (RT)
200 Hz: Long Loop (single frequency)	13 dB MIN
1000 Hz: Long Loop (single frequency)	10 dB MIN
2200 Hz: Long Loop (single frequency)	6.0 dB MIN
3400 Hz: Long Loop (single frequency)	4.5 dB MIN
POTS Longitudinal Balance	>53 dB
POTS Tip to Ring Capacitance	<115 nF
ADSL Attenuation (30 kHz - 1.1 MHz)	65 dB MIN
ADSL Disruption (30 kHz - 1.1 MHz)	0.25 dB MIN
High Frequency Disruption (2-10 MHz)	1.0 dB MAX

### B2039A

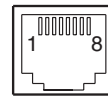


Connector	Function	Style	Tip	Ring
J1	Line	RJ11	Pin 3	Pin 4
J2	Modem	RJ45	Pin 4	Pin 5
J3	Phone	RJ11	Pin 3	Pin 4

**NOTE:** 2nd and 3rd pair Line Connections on J1 to J3 are unfiltered.

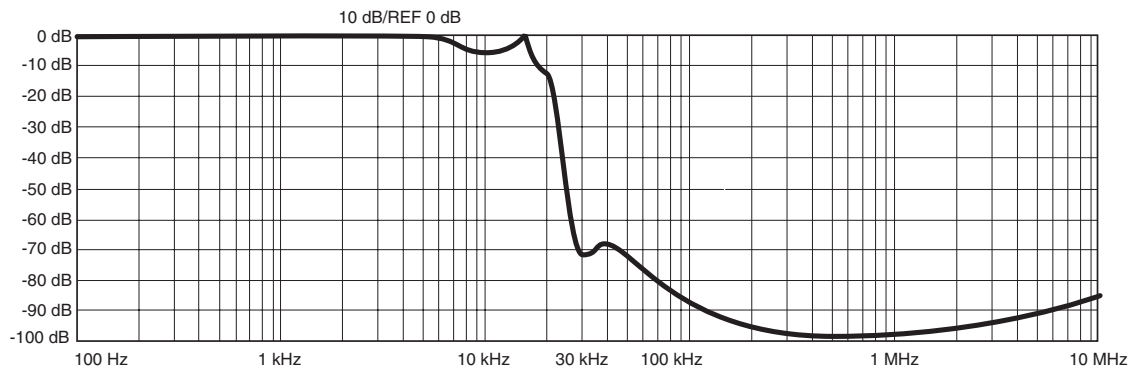


RJ11



RJ45

## Frequency Response



## For More Information :

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