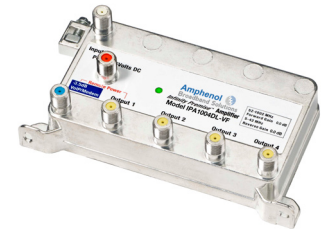
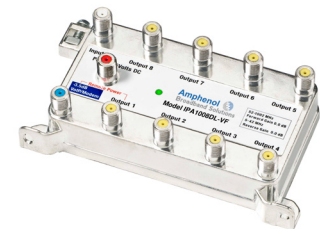


Description:

Data Plus Amplifiers include unique design features to increase reliability and decrease installation time. The patented Blue Port/Blue Label marks the passive data port. By utilizing a passive data port on the amplifier, modem/VoIP service will not be interrupted in the event of power loss. Additional outputs remain active and increase dB levels by a specified gain. Dedicated local powering port, Dual LED status lights, small compact design, and True Flex housing are just a few features assisting the technician in every installation.



IPA1004DL-VF



IPA1008DL-VF

Features & Benefits:

- Uninterrupted VoIP Service
- 1-Passive VoIP / Cable Modem Data Port
- Dedicated Local Power Port
- Select 4 or 8 Amplified RF Ports
- Passive Reverse
- Unity Gain Forward and Reverse
- Unique True Flex Housing
- UL Approved

Applications:

Premise, Multi-Dwelling Units (MDU) and Business.

**Additional Info:
Specifications**

| Forward | Units | Condition | IPA1004DL-VF | IPA1008DL-VF |
|----------------------------|--------|------------------------------|---|-----------------|
| Ports | | | 4 | 8 |
| Frequency Range | MHz | | 54 to 1002 | 54 to 1002 |
| Gain | dB | 54 MHz | 0.0±1.0 | 0.0±1.0 |
| Gain | dB | 1002 MHz | 0.0±1.0 | 0.0±1.0 |
| Slope | dB | 54 -1002 MHz | 0.0±1.0 | 0.0±1.0 |
| Frequency Response | dB p-p | 54 -1002 MHz | ≤1.0 | ≤1.0 |
| Return Loss (Output) | dB | 54 -1002 MHz | ≥20 | ≥20 |
| Return Loss (Input) | dB | 54 -1002 MHz | ≥20 | ≥20 |
| Isolation | dB | 54 -1002 MHz | ≥25 | ≥25 |
| Channel Loading | | 54 -1002 MHz | 77 NTSC analog + Noise (551-1002MHz) @ -6dB | |
| Rated Input Level | dBmV | Flat | 10 | 10 |
| CTN | -dBc | 10 dBmV in | ≥55 | ≥55 |
| CTB | -dBc | 10 dBmV in | ≥75 | ≥75 |
| CSO | -dBc | 10 dBmV in | ≥65 | ≥65 |
| XMOD | -dBc | 10 dBmV in | ≥75 | ≥75 |
| Rated Output Level | dBmV | @CTB73, CSO62, XM65 dBc | ≥17 | ≥17 |
| HUM Modulation | -dBc | 54 -1002MHz | ≥75 | ≥75 |
| Noise Figure | dB | Input NF less input losses | ≤5 | ≤5 |
| Group Delay | ns | ch. 2 (-3.58 MHz span) | ≤20 | ≤20 |
| Group Delay | ns | ch. 3 (-3.58 MHz span) | ≤10 | ≤10 |
| Group Delay | ns | ch. 4+ (-3.58 MHz span) | ≤5 | ≤5 |
| RF-to-Power Port Isolation | dB | 5 - 1002 MHz | ≥60 | ≥60 |
| 2nd Harmonic | -dBc | 54-84 MHz @ 60dBmV | ≥95 | ≥95 |
| Reverse | Units | Condition | IPA1004DL-VF | IPA1008DL-VF |
| Frequency Range | MHz | | 5 MHz to 42 MHz | 5 MHz to 42 MHz |
| Gain | dB | 5-42 MHz | -11.0±1.0 | -15.0±1.0 |
| Frequency Response | dB p-p | 5-42 MHz | ≤1.0 | ≤1.0 |
| Return Loss | dB | 5-42 MHz | ≥20 | ≥20 |
| Isolation | dB | 5-42 MHz | ≥25 | ≥25 |
| DSO @ 6 or 32 MHz | -dBc | 55 dBmV Out @13&19 MHz | N/A | N/A |
| DTO @ 7 or 25 MHz | -dBc | 55 dBmV Out @13&19 MHz | N/A | N/A |
| Rated Output Level | dBmV | @DSO55, DTO60 -dBc | N/A | N/A |
| Noise Figure | dB | Output NF less output losses | N/A | N/A |
| Group Delay | ns | 5-6 MHz 1.0 MHz span | ≤20 | ≤20 |
| Group Delay | ns | 6-10 MHz 1.0 MHz span | ≤15 | ≤15 |
| Group Delay | ns | 10-36 MHz 1.0 MHz span | ≤5 | ≤5 |
| Group Delay | ns | 36-42 MHz 1.0 MHz span | ≤20 | ≤20 |

**Additional Info:
Specifications**

| Passive Data Port | Units | Condition | IPA1004DL-VF | IPA1008DL-VF |
|-----------------------------|---------|---------------------|---------------------------|---------------------------|
| Frequency Range | MHz | | 5 MHz to 1002 MHz | 5 MHz to 1002 MHz |
| Frequency Response | dB p-p | 5-870 MHz | ≤0.8 | ≤0.8 |
| Frequency Response | dB p-p | 871-1002 MHz | ≤0.8 | ≤0.8 |
| Insertion Loss | dB | 5-550 MHz | ≤3.8 | ≤3.8 |
| Insertion Loss | dB | 551-870 MHz | ≤4.2 | ≤4.2 |
| Insertion Loss | dB | 871-1002 MHz | ≤4.6 | ≤4.6 |
| Return Loss | dB | 5 -1002 MHz | ≥20 | ≥20 |
| Other | | | | |
| Surge Withstand (All Ports) | | IEEE C62.41 | 6kV A3 ring | 6kV A3 ring |
| Surge Withstand (All Ports) | | EEE C62.41 | 6kV B3 combo | 6kV B3 combo |
| EMI | dB | 5-1002 MHz | ≥110 | ≥110 |
| Dimensions | in (mm) | Length | 5.40 (137.2) | 5.40 (137.2) |
| Dimensions | in (mm) | Width | 2.82 (71.67) | 2.82 (71.67) |
| Dimensions | in (mm) | Depth | 1.35 (34.3) | 1.35 (34.3) |
| DC Current Consumption | ma | 12-15VDC | 150 | 150 |
| AC Power Consumption | W | 120 VAC (SM) Linear | (2.5) 3.2 | (2.5) 3.2 |
| Environmental | | | | |
| Temperature | F (C) | | -40° to 140° (-40 to +60) | -40° to 140° (-40 to +60) |
| Water Proof | psi | | 15 | 15 |

Customers are reminded they are SOLELY responsible for confirming that all products are properly installed and used in accordance with codes and regulations.