

Macom Professional Series



L860 Bi-Directional Launch Amplifier

- Broadband 54-1000MHz forward bandwidth, 5-36MHz active reverse path
- 30dB typical forward-path gain for optimum performance to overcome combining losses and provide ample level for distribution
- 20dB active reverse-path gain for extra level to distribute reverse path signals to CMTS and other upstream applications
- Adjustable gain and slope controls to optimize carrier-to-noise ratio and provide superior picture quality and easy system balancing
- Plug-in equalizers and attenuators (included) enable uniform gain and slope system balancing for minimum distortion
- Employs dual state-of-the-art push-pull hybrid technology for very low distortion, high input and output capability
- -20dB input and output test points enable simplified setup and performance monitoring without service interruption
- Built-in lightning and line-voltage surge protection safeguards the unit from damage

Specifications

RF INPUT

Frequency Range (fwd)	54-1000MHz
Frequency Range (rev)	5-36MHz
Input Capability (fwd)	See Chart
Impedance	75Ω
Return Loss (5-36MHz)	16dB min.
Return Loss (54-1000MHz)	15dB min.
Test Point	-20dB ±3dB

RF OUTPUT

Frequency Range (fwd)	54-1000MHz
Frequency Range (rev)	5-36MHz
Gain (fwd)	30dB min.
Gain (rev)	20dB min.
Gain Control (fwd)	18dB min.
Tilt Control (fwd)	15dB min.
Impedance	75Ω
Return Loss (5-36MHz)	16dB min.
Return Loss (54-1000MHz)	15dB min.
Test Point	-20dB ±3dB

GENERAL

Power Input	90-260 VAC, 12 W
Operating Temperature	-10°C to 50°C
Dimensions	19" (L) x 12" (D) x 1.75" (H)
Weight	7.8 lbs.
Connectors	"F" type

CHANNEL LOADING CHART

Channels	Max Input Level	Max Output Level
12	21	52
24	18	49
36	17	48
48	15	46
72	14	44
96	12	42
158	11	41

Ordering Information

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