

L860

Bi-Directional Launch Amplifier



Features

- 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 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	75 Ω
RETURN LOSS (5-36MHZ)	16dB min.
RETURN LOSS (54-1000MHZ)	15dB min.
TEST POINT	-20dB \pm 3dB
RF OUTPUT	
FREQUENCY RANGE (FWD)	54-1000MHz
FREQUENCY RANGE (REV)	5-36MHz
GAIN (FWD)	30dB min.
GAIN (REV)	20dB min.
CONTROL GAIN (FWD)	18dB min.
CONTROL TILT (FWD)	15dB min.
IMPEDANCE	75 Ω
RETURN LOSS (5-36MHZ)	16dB min.
RETURN LOSS (54-1000MHZ)	15dB min.
TEST POINT	-20dB \pm 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

Total # of CHANNELS	Input Level (dBmV)	Input Level (dBmV)
12	21	52
24	18	49
36	17	48
48	15	46
72	14	44
96	12	42
158	11	41

Ordering Information

Part Number	Description
L860	Bi-Directional Launch Amplifier

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