



## Two-way Trunk Amplifier

### BL-E(L)/(G)L



BL-E(L) Series



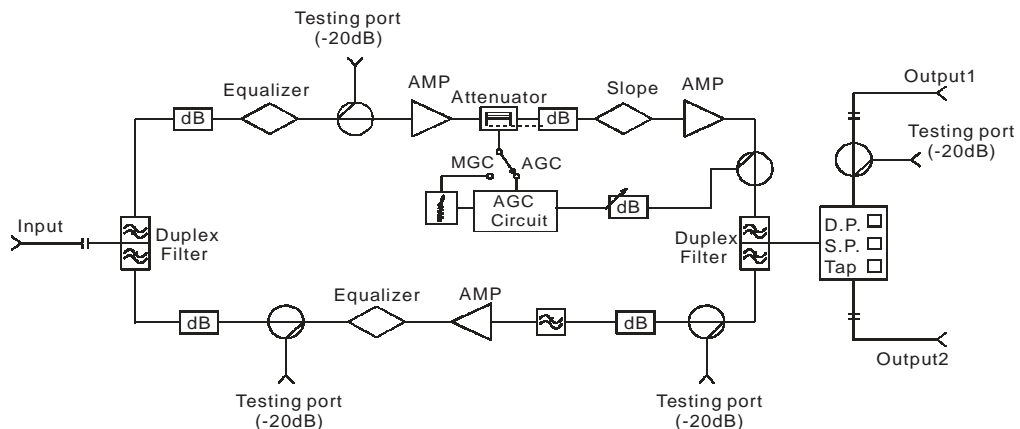
BL-G(L) Series

BL-E(L)/(G)L

### Feature

- 1.860 MHz platform;
- 2.Modular plug-in duplex filters and equalizers;
- 3..Manual Control, Auto Gain Control (AGC),Thermal Control Bode equalization;
- 4.Bi-directional operation ;
- 5.The standard single output model could be extended to two tap or split outputs;
- 6.High performance, low noise, low distortion;
- 7.-20 dB output directional coupler test Port ;
8. 10 amp power passing capacity;
- 9.Split or Tap outputs optional.

### Block Diagram



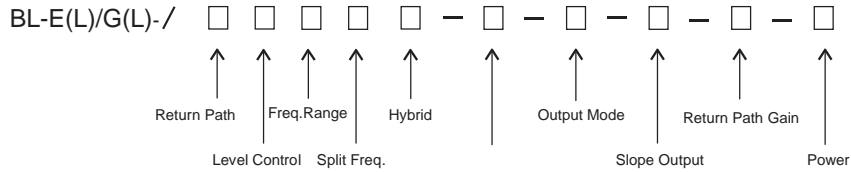
### Circumstance

Storage Temperature	-40°C ~ +70°C,
Operating Temperature	-25°C ~ +55°C
Dimension	277mm × 209mm × 110mm
Weight	5kg (Max)

## Specification

Parameter	Forward Path			Return Path	Note
Frequency Range (MHz)	**~550/750/860MHz			5~*MHz	Split frequency Optional
Flatness (dB)	±0.75			±0.75	
Return Loss (dB)	≥16			≥16	
Operating Gain (dB)	26	30	34	0/10/16/20	
Standard Output Level(dB <sub>v</sub> )	98	102	106		
C/CSO(dB)	72	68	64	——	Test at 59 channels PAL system, Input signal level 12dBmV, output signal level 46dBmV
C/CTB(dB)	78	70	62	——	
Min. Full Gain (dB)	28	32	36		Output gain is for one output port
Equalizer (dB)	3~21 (1.5dB/step)			2~10 (2dB/step)	
Noise Figure(dB)	<10			< 10	
Gain adjustment(dB)	0~10			0~10	1dB/step
Test Port(dB)	-20				
Test Ports response (dB)	±1				
Hum (dB)	≥66				
AC Input Voltage (VAC)	35~90				~60V Power Supply
AC Bypass Current (A)	10				
Connector Type	F(Imperial or Metric) or 5/8 -24NEF Female				
Resistance (Ω)	75				
AC Current Draw (A/AC)	~90V 0.28A ; ~53V 0.40A ; ~75V 0.30A ; ~45V 0.5A . ~60V 0.34A ;				

## Order Information



Return Path	Level Control	Freq.Range	Split Freq.	Hybrid	Forward Path Gain	Output Mode	Slope Output	Return Path Gain	Power
X:Without A:Amplify S:Return Path Optional	M:MGC(Manual) G:AGC	5:550MHz 7:750MHz 8:860MHz	E:30/47 S:40/52 K:42/54 J:55/75 A:65/87 X:One Way	S:Si Module G:GaAs + Si Hybrid	26:26dB 30:30dB 34:34dB	S:Single Output D: Dual Output 8: Dual Output 8dB Tap Loss 10: Dual Output 10dB Tap Loss 12: Dual Output 12dB Tap Loss	4~12dB, 2dB/step	15:15dB 20:20dB 24:24dB	1:60V 2:220V

Note:Pilot Frequency 168.25MHz or 480.25MHz

MGC:Manual Gain Control

AGC:Pilot Frequency Automatic Gain Control

## Accessories & Options

BL-EQ(C)*/*	Cable Equalizer(3-21dB,1.5dB/step)	BL-SLP	Slope Pad(4-10dB,2dB/step)
BL-ATT*	Fixed Value Attenuator(0-20dB,1dB/step)	BL-EQR	Return Equalizer(2-10dB,2dB/step)