



Two-way Trunk(Distribution) Amplifier BL-E(M)



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Feature

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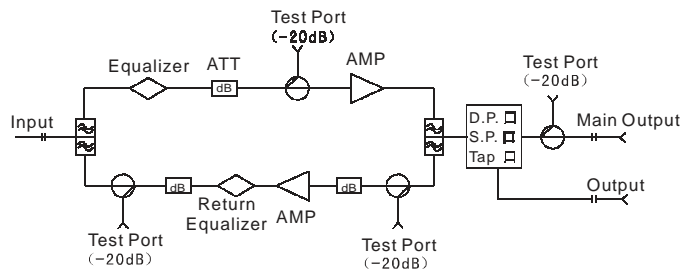
BL-E(M)

- 1.860 MHz platform;
- 2.Modular plug-in duplex filters and equalizers;
- 3.Bi-directional operation ;
- 4.The standard single output model could be extended to two tap or split outputs;
- 5.High performance, low noise, low distortion;
6. -20 dB output directional coupler test Port ;
7. 10 amp power passing capacity;
- 8.Attenuator adjustable or attenuator preset;

The BL -E(M) trunk (distribution) amplifiers are typically deployed in the feeder or tapped portion of the RF network. Configurable as wide band, high gain, improved performance, dual output, two- way operation device, these amplifier provide a flexible, cost effective product platform, and are readily adaptable to wide-ranging design application.

The BL-E(M) trunk (distribution) amplifiers are available in multiple fixed gain versions and are ideally suited for new build and rebuild construction. They are gain-targeted and specifications-targeted for direct drop-in retrofit in 550/750/860MHz transitional upgrades. All 550/750/860 MHz active electronics offer improved performance, reliability and accessibility.

Block Diagram



Circumstance

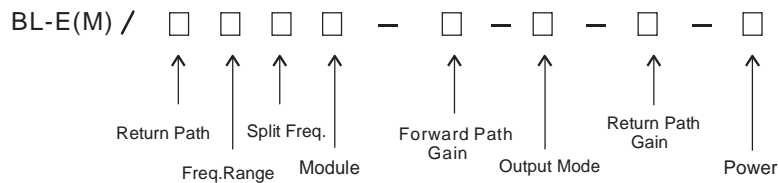
Storage Temperature -40°C ~ +70°C
 Operating Temperature -25°C ~ +55°C

Weight 4kg
 Dimension 240mm × 155mm × 110mm

Specification

Item	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)	≥ 16dB	≥ 16 dB	
Standard Gain(dB)	30	0/15/20	Single output Port
C/CSO(dB)	62	————	Test at 59 channels PAL system, Input signal Level 12dBmV, output signal level 46dBmV
C/CTB(dB)	60	————	
Full Gain(dB)	30	0/15/20	
Equalizer (dB)	0-20dB(variable)	2 ~ 10 (2dB/step)	
Noise Figure(dB)	<9		
Test Port Level(dB)	-20		
AC Input Voltage (VAC)	35 90		~60V Power Supply
Hum (dB)	≥66		
Gain Adjustment(dB)	0~10		1 dB/step
Connector Type	F(Imperial or Metric) or 5/8 -24NEF Female		
Resistance(Ω)	75		
AC Current Draw (A/AC)	~85V 0.28A ; ~75V 0.30A ; ~65V 0.35A ;	~55V 0.42A ; ~45V 0.52A ; ~35V 0.68A .	

Order Information



Return Path	Freq.Range	Split Freq.	Module	Forward Path Gain	Output Mode	Return Path Gain	Power
X:Without A:Amplify S:Return Path Optional	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 Hybrid	24:24dB 26:26dB 30:30dB	S:Single Output D: Dual Output 8: Dual Output 8dB Tap Loss 10: Dual Output 10dB Tap Loss 12: Dual Output 12dB Tap Loss	15:15dB 20:20dB	1:60V 2:220V

Accessories & Options

- BL-SLP Slope Pad(4-10dB,2dB/step)
- BL-EQR Return Equalizer(2-10DB,2dB/step)