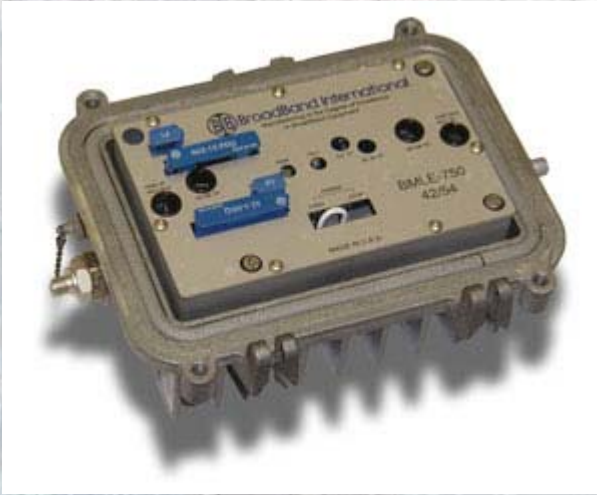




## Product Data Sheet

### Philips Magnavox LE Amplifier



**Category:** Amplifiers

**Subcategory:** Pads

**Description** Drop-in upgrade 6LE module  
450,455-550MHz to 750MHz

**Usage:** 6LE (Line Extender)

### Description:

The Broadband International Magnavox line extender kit replaces the existing 450/550 MHz circuit board in the 6-MLE chassis with a 750 MHz amplifier board. The traditional mounting of the forward hybrids is maintained using new 750 MHz devices. The reverse hybrid has plug-in sockets and may be easily changed in the field if needed. The forward gain is 31 dB with a power-doubled output hybrid for optimum distortion performance. Traditional Philips/Magnavox style pads and equalizers are used in the forward and reverse path. A reverse path plug-in response network exclusively available from Broadband International is optional. This reverse path response feature is not part of the original Philips/Magnavox design. The forward gain control range is 8 dB, while the slope control has 6 dB of range. The impedance match is 16 dB minimum at the input and output ports. Input and output test points are built on the main board and are -30 dB resistive, bi-directional. A special test probe is not required for testing.

Contact us for optional configurations:

## BroadBand International BMLE-750

### Detailed Product Specifications:

Parameter	Units	Forward	Reverse
Passband	MHz	54-750	5-42
Flatness	dB	+/- 0.5	+/- 0.5
Minimum Full Gain	dB	31	23
Gain Range	dB	8	PAD
Slope Range	dB	6	EQ
Resistive Test Points (In/Out)	dB	-30	-30
Noise Figure	dB	8.5	5.0
Output Rated Level	dBmV	44/34	39
Distortion ( @ Output rated level)			
CTB	dB	-64	-73
XM	dB	-65	-65
CSO	dB	-67	-78
Return Loss			
Input	dB	16	16
Output	dB	16	16
DC Voltage (B+)	Vdc	24	24
Current DC ( Measured @ + 24 Vdc)	mA	650	130

### Ordering Information:

Magnavox P.N.	BBI P.N.	Values
6LE*	486400	750MHz