Balun Transformers
Extended Video Series 20 Hz - 6 MHz

BETA TRANSFORMER TECHNOLOGY CORPORATION
A subsidiary of Data Device Corporation

Data Sheet

The extended video series has low frequency responses down to 20 Hz and superior electrical characteristics.

North Hills' baluns are precision-engineered for low insertion and return losses. Superior balance is achieved by inherently symmetrical construction.

Bandwidths extend from low-frequency cut-off (LCO), where response is down no more than 3 dB with respect to that at midband to high frequency cut-off (HCO), where the return loss is better than 19 dB.

North Hills Application Note 151 - *"Wideband Transformers" provides further information on the subject of balun transformers.

North Hills Balun Transformers provide quick, cost-effective solutions.

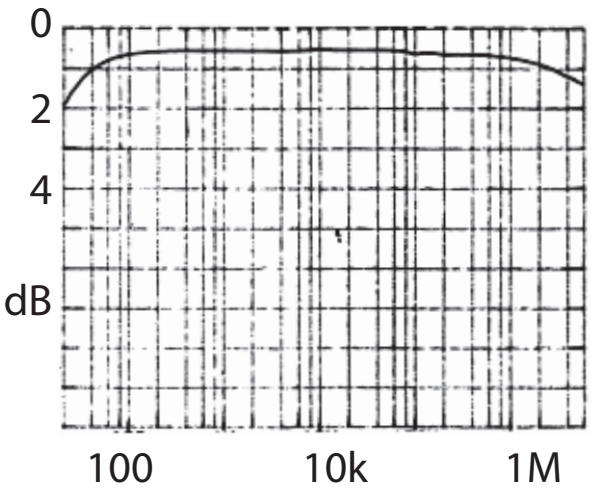
Features:

- 50 and 75 ohm models for a wide range of impedances
- PB, LB and LA case styles are hermetically sealed metal cans

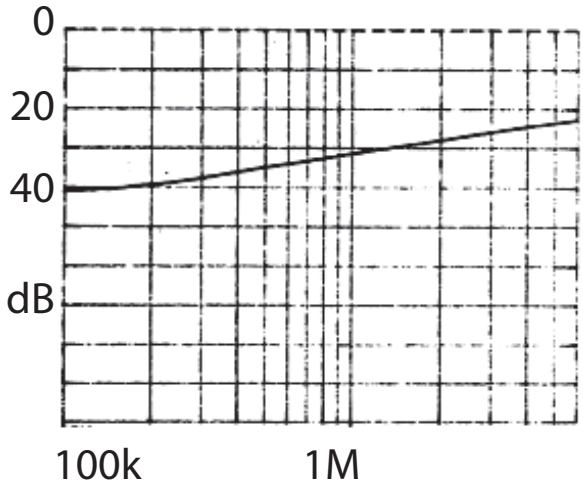
Benefits:

- Superior electrical performance
- Low frequency response down to 20 Hz

Typical Characteristics: (Model 0315)



Transmission Loss
20 kHz - 6 MHz



Return Loss
.1 - 6 MHz

North Hills™

For more information: www.BTTC-Beta.com/EVSeries

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Specifications

Impedance		Part #	LF (Hz)	HF (MHz)	Case
Unb	Bal				
50	50	0014	20	6	PB
	75	0113	20	6	PB
	100	0315	20	6	PB
	124	0316	20	6	PB
	200	0522	20	4	PB
75	1003	20	6	PB	25
	1111	20	6	LA, LB	25
	1307	20	6	PB	20
	1309	20	9	PB	20
	1408	20	5	PB	20
	1520	20	4	PB	20

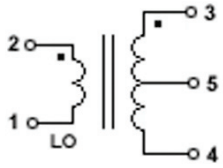
Ordering Information

To order, please specify model number followed by case designation, such as 0315PB.

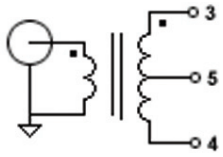
Technical Drawings

Schematics

CASE LA

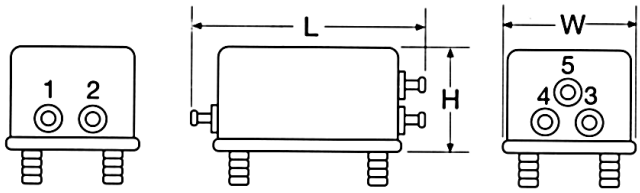


CASE PB, LB

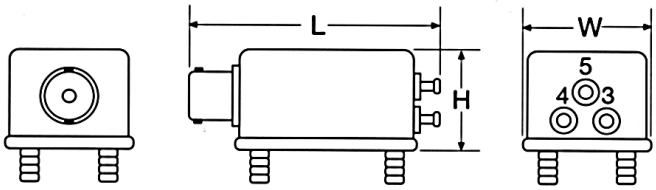


Case Styles

TYPE LA



TYPE PB, LB



Case Dimensions							
Type	W (in.)	L (in.)	H (in.)	Mtg. Ctrs. A	Mtg. Ctrs. B	Stud Size	Recm. Mtg. Hole
LA	1.7	2.8	1.25	1.00	1.50	6-32 x .37	.173
PB	3.0	3.6	2.0	1.90	2.30	6-32 x .37	.173
LB	1.7	3.2	1.25	1.00	1.50	6-32 x .37	.173

Certified System SAI GLOBAL AS9100 Aerospace
Certified System SAI GLOBAL ISO 9001 Quality

The information in this Brochure is believed to be accurate; however, no responsibility is assumed by Beta Transformer Technology Corporation for its use, and no license or rights are granted by implication or otherwise in connection therewith. Specifications are subject to change without notice.

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