

10 to 100W RF Power Series Balun Transformers

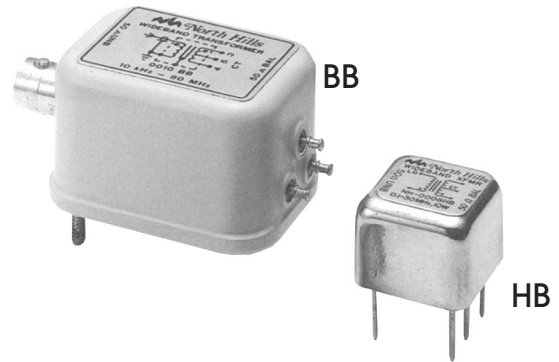


Data Sheet

50 and 75 ohm baluns rated at 10, 25, and 100W. 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.

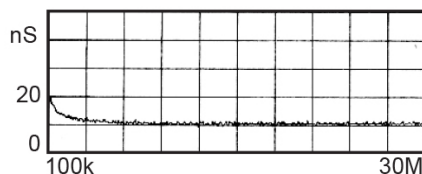
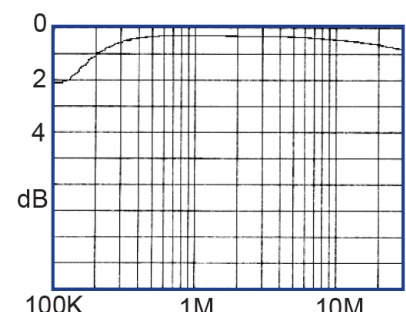
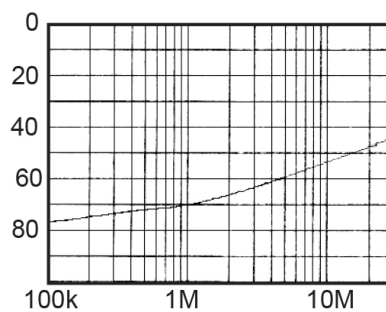
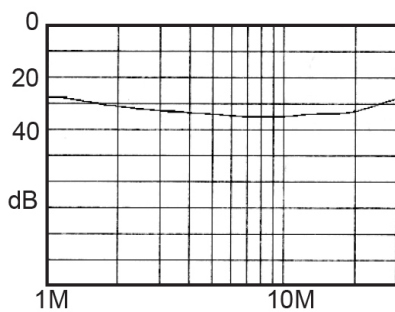
Features:

- 50 and 75 ohm models for a wide range of balanced impedances
- Superior electrical performance
- BA, and HB case styles are hermetically sealed metal cans

Benefits:

- Precision-engineered
- Low insertion and return losses

Typical Characteristics (Model 0108):

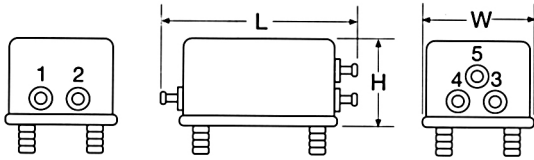


For more information: www.BTTC-Beta.com/RFPower

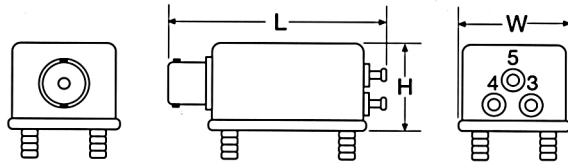
Technical Drawings

Mechanical Drawing

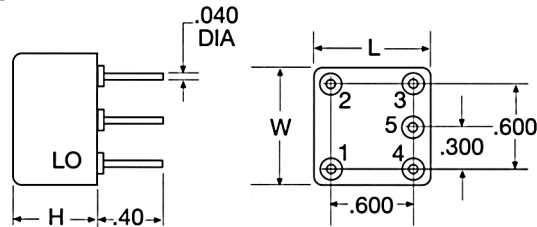
Type BA



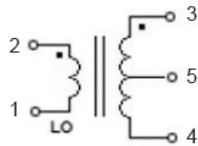
Type HB



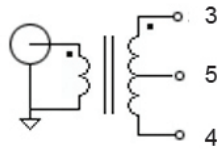
Type BB



Simplified Schematic



Case BA, HB



Case BB

Case Style

Type	W (in.)	L (in.)	H (in.)	Mtg. A	Ctrs. B	Stud Size	Recm. Mtg. Hole
BA	1	2.3	1.15	.81	1.37	4-40 x .37	.147
HB	0.9	0.9	0.7	-	-	-	.052
BB	1.3	2.6	1.15	.81	1.37	4-40 x .37	.147

Ordering Information

To order, please specify model number followed by case designation, such as 0309BB.

High Power Series			
Power Level	10 W	25 W	100 W
Cases	HB	BA, BB	BA, BB
MHz Range	0.1-30	0.1-30	0.5-30
Unb./Bal. (ohm)	Model #	Model #	Model #
50:50	0008	0011	0012
50:75	0108	0109	1015
50:100	0309	0308	0304
50:150	0406	0402	0404
50:200	0519	0512	0516
50:450	0604	0605	0606
50:600	0705	0701	0704
75:75	1105	1110	1118
75:100	1306	1304	1305
75:150	1406	1401	1403
75:200	1517	1519	1512
75:300	1515	1510	1505
75:450	1603	1604	1605
75:600	1709	1703	1708



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For ordering assistance and technical support,

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