



RFI Solutions from KHz to GHz

**Model CB-16-1000 Dual
Core Balun
800:50 Ohm (16:1), 1.8-
31 MHz, 1KW/2KW PEP**



Halyard Hoist/Eyebolt Output

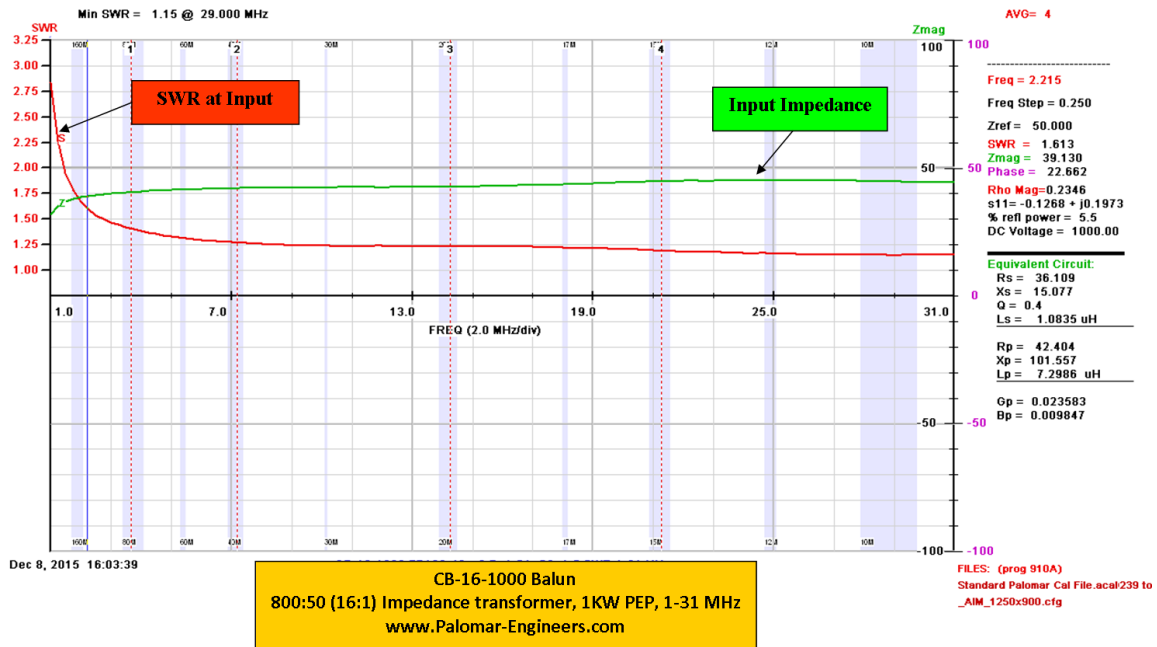


Top Stud Output

Purpose. This balun is designed to transform an 800 ohms balanced load to 50 ohms balanced at 1000 (CB-2-1000)/2000 (CB-16-2000) watts PEP (30% duty cycle) from 1.8-31 MHz. The balun is housed in a 4" x 4" x "2 NEMA weather resistant box with SO-239 coaxial input and a 1/4" stud/wingnut or side eyebolt balanced output terminals.

Application. For balanced antenna loads the 16:1 balun makes a good transformer for matching 50 ohm coax to the 800 ohm balanced feed point. If you use the antenna on multiple bands, the feed point impedance may not always be 800 ohms and use of the balun at high (>1000 ohms) or low (<600) will require reduced power input or the balun may have its power ratings exceeded and damage to the balun may occur. The 16:1 conversion ratio may change for loads other than 800 ohms.

Typical frequency response (1.8-31 MHz) and impedance transformation with 800 ohm balanced, non-reactive load is shown below:



Specifications may change without notice

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