

MOPZT's Ham Goodies

Amateur Radio, Components and Tech Stuff

1:1 Choke / Balun – for a Dipole

Introduction

A Balun converts a **Balanced** load (your aerial) to an **Unbalanced** source (coaxial cable).

The use of a balun is recommended for most resonant dipole applications as they eliminate common-mode current on your coax. Current on the outer of your coax can run into your Shack and cause RF feedback on your audio as well as make your aerial perform badly (by affecting the radiation pattern). An end-fed wire usually presents as a very high impedance load, so the various ratios can be used to help your antenna tuner match it correctly.

Specifications

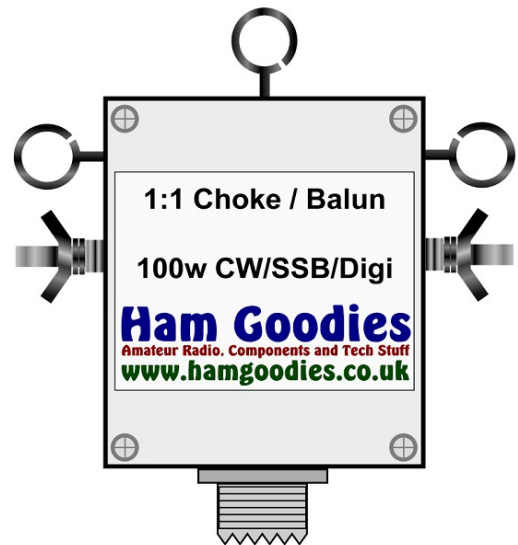
- FT140-43 (100w) or FT240-31/43 (400w) Ferrite Core
- RG-316 (100w) or RG-142 (400w)

How to Use

This enclosure can be hung from a support-pulley or tied to some sort of vertical support (mast/pole etc).

The FT140-43 is perfect for HF use and works equally well at the home QTH or as part of a /P setup. Core is rated at 175w continuous MAX.

The FT240 core is rated at 1000w CW under ideal conditions, so more than enough for UK legal power. The FT240-31 core is suited for 1.8MHz to 15MHz while the FT240-43 is suited for 7MHz to 30MHz (ie: resistive across this frequency range).

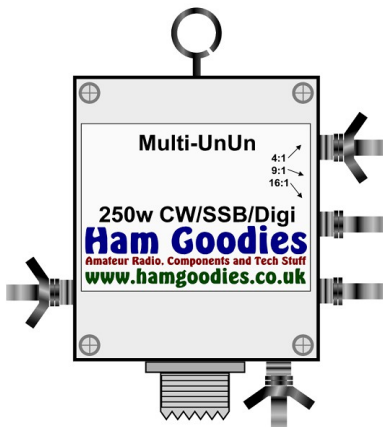


Also available - Baluns, Chokes/Isolators and UnUns in various flavours:

4:1, 9:1, 16:1 Multi-UnUn
and 9:1 UnUn

1:1 Line Isolator

G5RV Choke / Balun



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