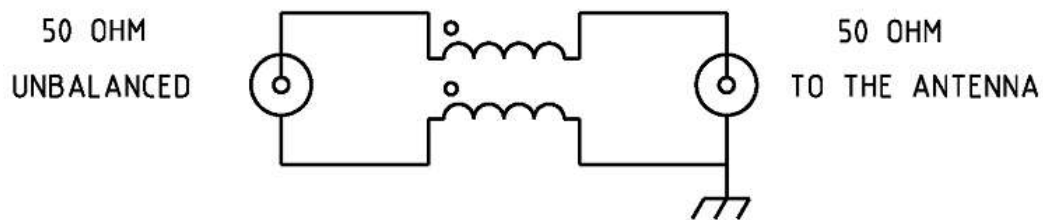


# CHOKING BALUN - Version 1

Choking balun for lower HF and MF bands. (1.8MHz - 10MHz).

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Requiring a choking balun to isolate the potential RF pick up on the coax cable as it runs past equipment such as computer within the radio room at lower HF and MF frequencies a simple method of winding RG58 coax onto a Powdered Iron Toroid Core was constructed.



**Figure 1** Schematic of the 1:1 choking balun

## Construction

The construction was simply to wind as many turns of RG58 coax onto the T250-26 Powdered Iron Toroid Core as would fit. The result of 23 turns achieved a 130uH series inductive reactance to common mode RF currents.

Parts list.

- T250-26 Powdered Iron Toroid Core (Micro Metals)
- About 3mtr of RG58 coax.
- 2 x N type chassis mount connector
- Sealed Polycarbonate Enclosures 165 x 125 x 75mm



Low band choking balun  
assembled.