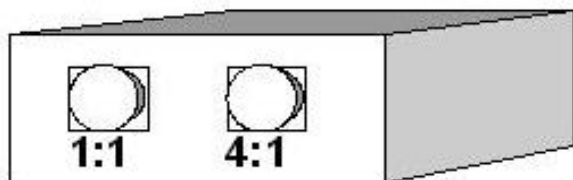
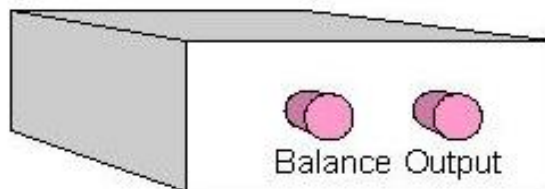


# Versatile HF Toroidal BALUN



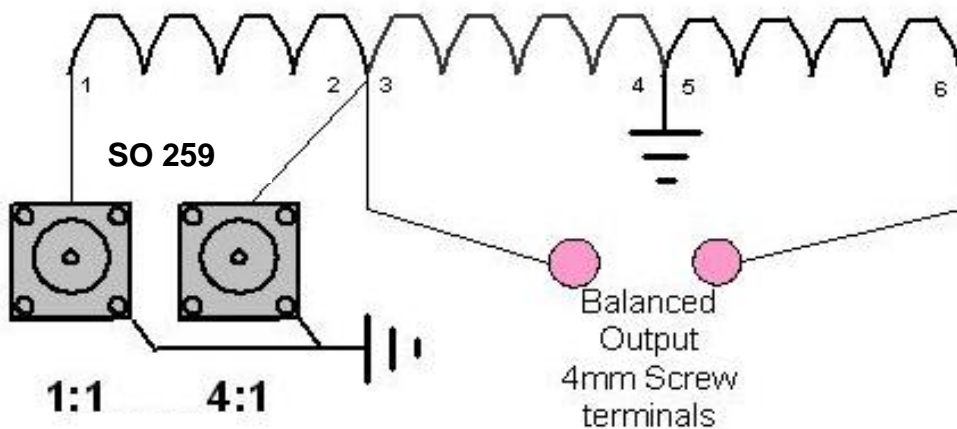
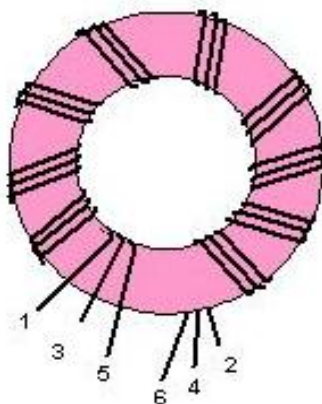
FRONT VIEW



REAR VIEW

## RED AMDON CORE

10 turns Trifilar winding  
1.6 mm Enameled  
Copper Wire



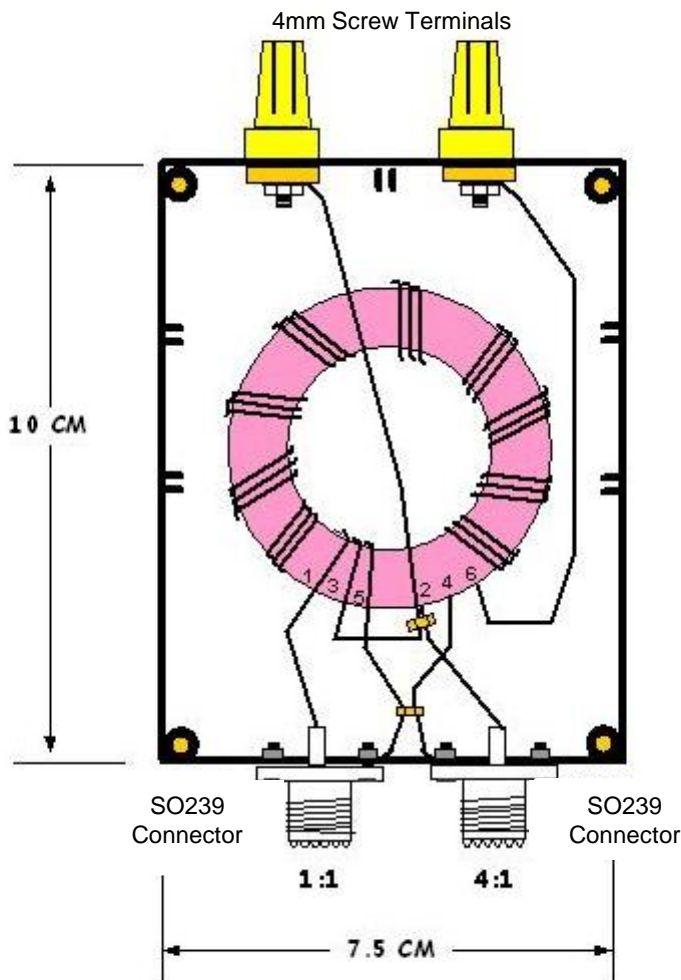
### Construction Notes

1. Take care to keep the wires equal to maintain electrical balance.
2. Seal the box lid with bath sealant including the 4 screw heads that secure the lid.
3. The core will be held firmly by the stiffness of the wires and should not move when the wires are soldered to the connectors.
4. If you have concerns with water getting in, then consider using a box with a waterproof seal and changing the connectors for N-types.

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G8ODE RSARS 1691

# Versatile HF Toroidal BALUN



## Construction Notes

1. This is a traditional design based on a large Amidon Red Core using 1.6mm Enamelled wire.
2. The thick 1.6mm will firmly hold the core inside the box once it is soldered in.
3. A point to note that the 4mm brass nuts were used to hold the two joints together. This helps forming the split into the opposite directions. If plated nuts are used clean the plating off first as this helps with soldering.
4. The unit was tested with 100watts RF and worked OK with the SWR < 1.2:1
5. The lid is secured with 4 x 4mm screws – and the edges taped over to waterproof the box. A small spot of Bostik glue is also applied to the screw heads to prevent the ingress of water.