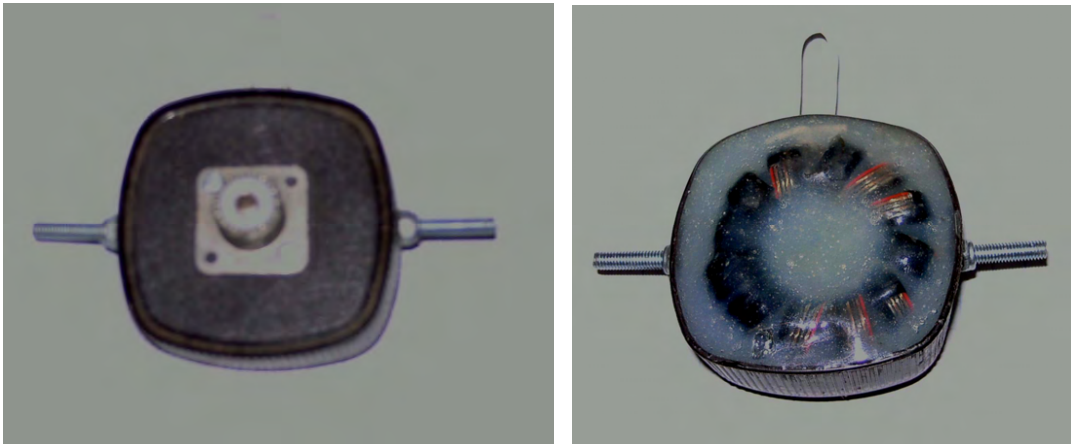


ZS6KMD Nescafe 4:1 Balun



To make an all weather, strong 4:1 balun for center fed dipoles this is the way to go.

Parts:

- A couple of meters of twin flex cable
- A Nescafe Coffee jar lid
- An SO 239 socket
- Some stainless or brass nuts and bolts
- A 50mm Toroid
- Epoxy resin

Method:

Wind 12 – 14 turns of flex around the Toroid. Spacing should be more or less even. Fix this in place with some insulation tape.

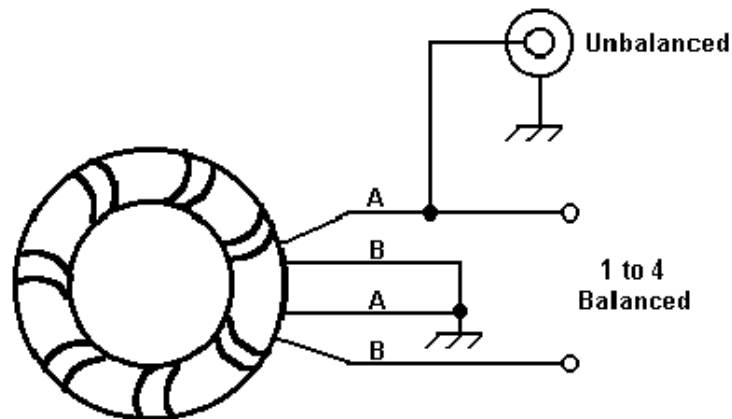
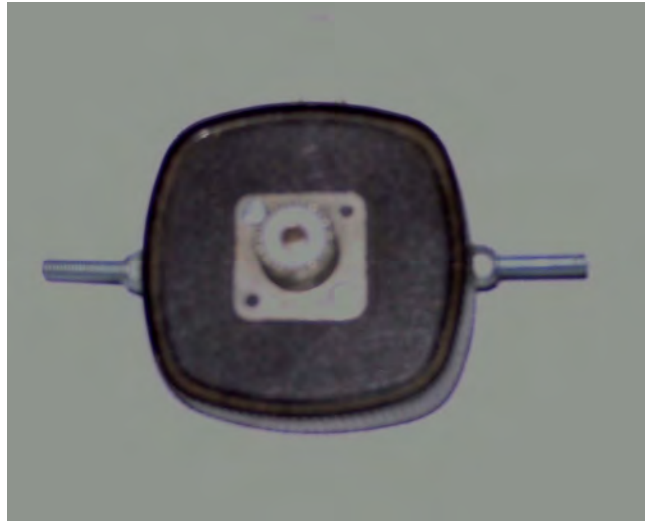


Figure 1

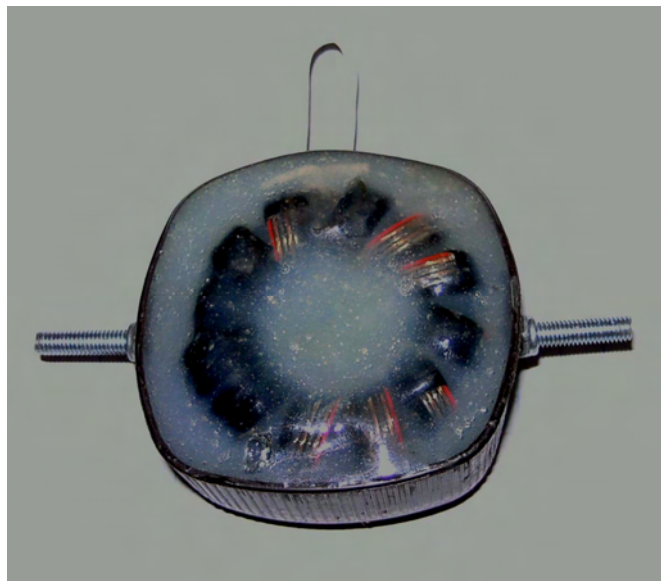
Drill a hole in the center of the Nescafe lid. Mount the SO239 socket. Drill two holes in the sides opposite each other and mount the stainless or brass nuts and bolts. Fit solder lugs under the nuts and bolts for the coil endings and tighten.



Solder the connections as per figure 1 and install the toroid coil inside the Nescafe lid.

Mix up some epoxy resin and pot the whole thing. Leave overnight to harden. Remember that the epoxy will get HOT when it reacts with the catalyst so don't hold it in your hand.

Fit a hook or loop of wire on the top to hang it from..... Bingo!! A 4:1 Balun that will last for ever.



Enjoy – Best 73 de Kevin ZS6KMD