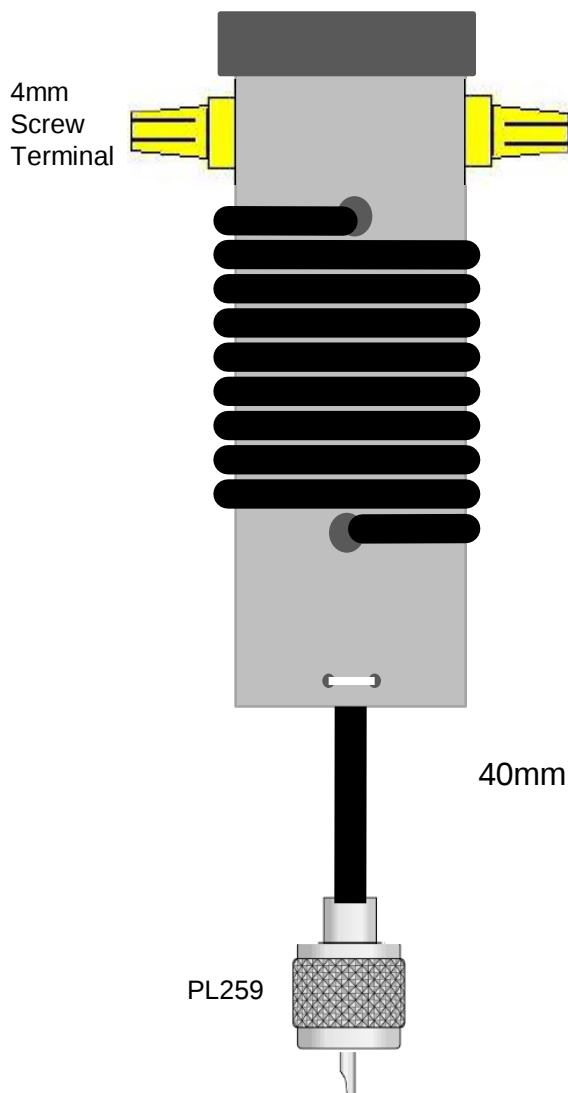


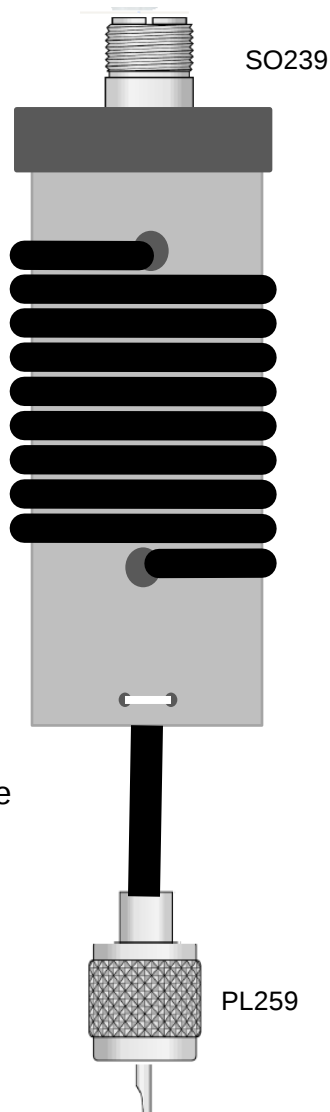
Coax Choke Balun Designs – G8ODE



**Coax Choke BALUN
for
Twin Line Feeder**



**In - Line
Coax Choke BALUN
for
Coaxial Feeder**



The two coaxial Choke BALUNS are constructed from 40mm plastic drain pipe using 8-10 turns of Mil Spec RG58 or MIN-8 Coax (approx 2metres)
The bottom end coax is held in place with a small plastic tie-wrap.
A plastic cap from a food jar is used as at the top of the BALUN.

Coax Choke Balun Designs – G8ODE

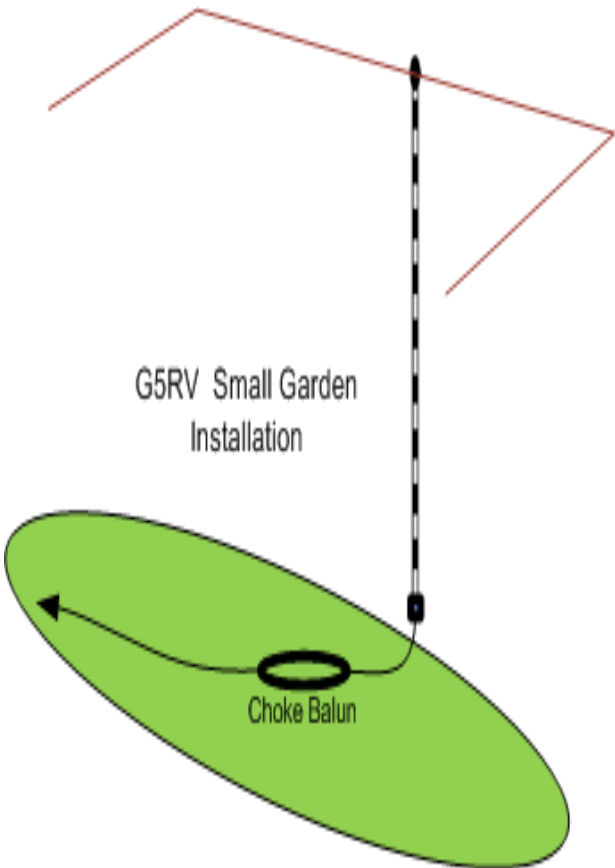
<http://www.rsars.org.uk/ELIBRARY/docsants.htm>



Not the prettiest BALUN, but just as effective and very easy to construct.

Using about 5-6m (15-18ft) of coax make a several coils 200mm diam (8ins) and tie tightly together using tie-wraps

The Coiled Coax BALUN



Test to show the effects of adding a balun in the feeder using a new roughly cut G5RV - i.e. still requires optimising for 20m.

Test Frequency MHz	Autek VA1 measuring SWR ref 50Ω connected direct to 300Ω line	Autek VA1 measuring SWR ref 50Ω connected via 8 turn balun to 300Ω line
3.75	3.33 : 1	2.24 : 1
7.05	2.71 : 1	2.78 : 1
10.12	HIGH	12.3 : 1
14.15	8.4 : 1	3.93 : 1
18.12	7.8 : 1	2.49 : 1
21.2	8.8 : 1	5.2 : 1

Note: Autek VA1 can only indicate "High" for SWR >15 :1