

# BALUN Packaging

W7KVI, 01/17

# Parts List

## Parts

- PVC pipe cap and plug
- SO-239
- 1 larger, 2 smaller eye bolts
- ~4" of #12 copper as feedthroughs

## Associated Hardware

- 4 ea assembly screws
- 4 ea mounting hardware
- 6 nuts, 3 flats & splits
- Solder lug for SO-239



- Largest toroid example – 2” PVC Components

Mark upper edge of pipe plug on exterior of pipe cap

Ensure eye bolts and assembly screws do not interfere with the toroid location.



# Pipe Plug (L) and Cap (R)



## 2 Sizes of Eye Bolts

Larger one – Must support weight of balun and coax feedline

Smaller ones – Support tension of doublet

Stainless Steel not required, since connections are all soldered and don't rely on eye bolts for connections.



Use Lockwashers on all 3 Eye Bolts to prevent loosening.

Drill 2 holes upward (prevent water ingress) from the outside for wire feedthroughs.

Solder balun and doublet to feedthroughs.



## SO-239

Use Lockwashers on all screws, although 3 are merely for mechanical support.

Solder lug screw MUST have lockwasher on BOTH sides of PVC plug.



**END**