

49:1 Impedance Matching Network (Transformer)

[1] FT-240-43 Toroid Good for up to 200 watts Fair-Rite part # 5943003801
Mouser part # 623-5943003801.

Can be purchased at multiple locations ranging from \$6.26 - \$12.29 plus shipping of course
(2 cores would be capable of handling 1KW) If you are planning on portable use, 1 core is good

[1] 4oz. roll of 14 AWG or 16 AWG magnet wire (16 AWG will be adequate)
1 core 2 ½" per turn. 2 cores = 4" per turn. A total of aprox. 8' of wire will be needed

[1] 4" X 4" X 2" enclosure. Home Depot has these for \$10.83 and remember Menards has 11% off.

[1] Chassis mount 4 hole SO-239 coax connector

[4] mounting bolts and nuts for the SO-239

[2] #8 Bolts for the antenna connection and Ground connection (if desired) Nuts, Lock washers, Wing nuts or Thumb nuts if desired.

[2] #8 Eye bolts to hang this box and to provide strain relief of the antenna wire.

[1] 100-110 pF capacitor. You can use [2] 220 pF @ 15KV capacitors in series

[2] small ring terminals for the 16 or 14 AWG wire to connect to the screws for antenna and ground.