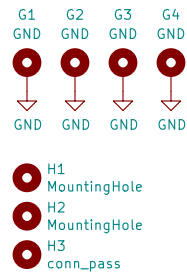


NOTES:

+12VDC to +13.8VDC Supplied via Bias-T on output port
 Ferrite Beads: HZ0805C202R-10
 GDT1: Gas Discharge Tube, 2051-09-SM-RPLF, 90V 2kA
 C15: Tantalum
 JP4/JP5: Select ground/signal path.
 - Corresponds to transformer dot changes between candidate TR1 options.
 TR1: ADT2-1T lower end freq compared to recommended ADT2-1T-1P.
 JP1/JP2: Select LPF or BPF signal path
 JP7: Default short, no filtering. Cut to route signal through BPF/LPF.
 Filter Design Decision:
 - $f_{cut, hi} = 50 \text{ MHz}$. LPF and BPF. 3dB down at 6m. 30dB@100MHz.
 - $f_{cut, lo} = 1 \text{ MHz}$. LPF, AM rejection, but retain 160m



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Amateur Radio

Sheet: /
 File: active_balun_v1.sch

Title: Active Balun - Version 1

Size: USLetter Date: 2020-06-03
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