

TPCP-1542C / TPCP-1543C COMPACT VHF PRESELECTORS



TPCP-1543C

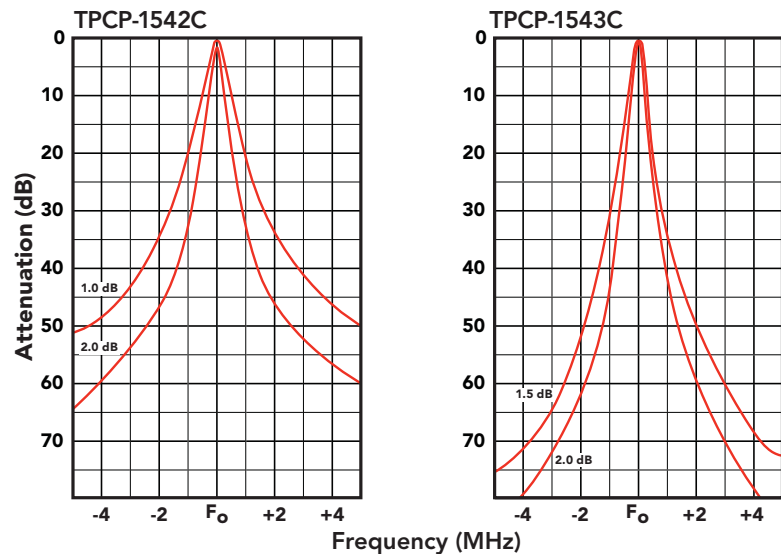


TPCP-1542C

The TPCP-1542C and TPCP-1543C offer high performance in a compact design for the 148-174 MHz VHF band.

Custom-extruded 4-inch square cavities allow horizontal mounting on a standard 19-inch rack, with rack height of 5.25". The TPCP-1542C uses two cavities to provide typical attenuation of better than 50 dB at +/- 5 MHz, and insertion loss of 1.0 dB or less. The TPCP-1543C uses three cavities, and provides typical attenuation of better than 70 dB, and insertion loss of 1.5 dB or less.

TYPICAL RESPONSE CURVES



| SPECIFICATIONS | TPCP-1542C | TPCP-1543C |
|--------------------------------|-------------------------------|-------------------------------------|
| Attenuation at +/- 5 MHz (min) | 50 dB | 70 dB |
| Insertion loss (typ) | 1.0 dB | 2.0 dB |
| Bandpass (typ) | 700 KHz | 1.5 MHz |
| Number of cavities | 2 | 3 |
| Weight lb. (kg) | 11 (5) | 14 (6.4) |
| COMMON SPECIFICATIONS | | |
| Tuning range | 148-174 MHz | |
| Power input (max.) | 350 watts | |
| Impedance (nom) / VSWR (max.) | 50 ohms / 1.25:1 | |
| Dimensions (HWD) in. (cm) | Panel | 5.25 x 19 x 14 (38.7 x 48.3 x 35.6) |
| | Cavity | 4 x 4 x 14 (10.2 x 10.2 x 35.6) |
| Connectors | N Female, UHF (opt.) | |
| Mounting | 19" EIA Rack | |
| Finish | Alodine / Gray acrylic enamel | |