The TPRD-1546C offers high performance in a compact design for the 148-174 MHz VHF band. Custom extruded 4” cavities allow horizontal rack mounting. Three pass-reject sections in the transmit and receive paths provide 80 dB isolation at 500 KHz, with a 350 watt power rating, and insertion loss of 2.5 dB or less. The duplexer fits a standard 19” rack, with rack height of 8.75”.

**ELECTRICAL SPECIFICATIONS**
- **Tuning range**: 148-174 MHz
- **Frequency separation (min)**: 500 KHz
- **Maximum input power**: 350 watts
- **Insertion loss TX / RX to ant.**: 2.5 dB
- **TX noise suppression at RX (typ)**: 80 dB at 500 KHz
- **RX isolation at TX (typ)**: 80 dB at 500 KHz
- **VSWR (max)**: 1.5:1
- **Temperature range**: -30°C to +70°C
- **Number of cavities**: (6) - 4”

**MECHANICAL SPECIFICATIONS**
- **Mounting**: 19” Rack mount
- **Dimensions (HWD) in. (cm)**: 8.75 x 19 x 15 (22 x 48 x 38)
- **Connectors**: N or UHF female
- **Finish**: Acrylic enamel
- **Net weight lb. (kg)**: 36 (16.3)