

## TPRD-1444C, 1444CM COMPACT PASS / REJECT DUPLEXER

The TPRD-1444C and 1444CM produce high performance in a compact design for the 135-151 MHz VHF band. These duplexers are only one-third of the size of earlier models, and deliver equivalent performance.

The TPRD-1444C/CM produces 70 dB isolation at 600 KHz, with a 350 watt power rating, and insertion loss is 1.5 dB or less. Each duplexer fits a standard 19" rack, with rack height of 5.25" and 4" respectively. The TPRD-1444CM is supplied with adjustable mounting tabs for installation in a cabinet.


**TPRD-1444C**

**TPRD-1444CM**

| <b>ELECTRICAL SPECIFICATIONS</b> |                        |               |
|----------------------------------|------------------------|---------------|
| Tuning range                     | 135-151 MHz            |               |
| Frequency separation (min)       | 600 KHz                |               |
| Maximum input power              | 350 watts              |               |
| Insertion loss - TX / RX to ant. | 1.5 dB                 |               |
| TX noise suppression at RX (typ) | 70 dB at 600 KHz       |               |
| RX isolation at TX (typ)         | 70 dB at 600 KHz       |               |
| VSWR (max)                       | 1.5:1                  |               |
| Temperature range                | -30°C to +70°C         |               |
| Number of cavities               | (4) - 4"               |               |
| <b>MECHANICAL SPECIFICATIONS</b> |                        |               |
|                                  | <b>1444C</b>           | <b>1444CM</b> |
| Mounting                         | 19" Rack               | 19" Cabinet   |
| Dimensions (HWD) in. (cm)        | 5.25 x 19 x 16         | 4 x 19 x 16   |
| (Tuners fully extended)          | 13 x 48 x 41           | 10 x 48 x 41  |
| Connectors                       | N or UHF female (opt.) |               |
| Finish                           | Gray acrylic enamel    |               |
| Net weight lb. (kg)              | 19.25 (8.7)            |               |

