

## 4.3-10 (R183 SERIES)



### Compact & Low Intermodulation Solution

Designed for major telecom equipment manufacturers, the 4.3-10 series is a small, lightweight solution for outdoor telecom applications where high performance is essential and low intermodulation is required.



Radiall's 4.3-10 series is designed to support telecom manufactures for outdoor low intermodulation applications. This new solution expands the broad product portfolio which consist of the 4.1-9.5, 7/16 and innovative QLI (Quick Lock Intermodulation) connectors. The 4.3-10 connector is suitable for outdoor environments where reliability is required.

Available in a variety of configurations including:

- Jack: square flange, press mount receptacles and bulkhead
- Plug: straight & right angle
- Solder, crimp & clamp models
- Screw-on & push-pull coupling mechanism

These lightweight 4.3-10 connectors are 30% smaller and 60% lighter than the comparable 7/16 square flange jack receptacle. The new interface design features a high intermodulation level at -166 dBc.

Radiall's 4.3-10 connectors are designed in accordance to International standards and are manufactured to meet environmental safety requirements.



**With similar performance to 7/16 connectors, the lightweight design of the 4.3-10 series is perfectly suited for new generation telecom equipment.**

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#### Environmental characteristics:

- Anti-corrosion
- Watertight plating
- Contacts designed for use in outdoor environments
- ISO 21207 method B 5 cycles compliant
- 720 Hrs NSS

#### Performance characteristics:

- Frequency range: DC to 6GHz
- Low intermodulation level  $\leq -166\text{dBc}$
- VSWR:  $1.02 \times F(\text{GHz})$  maximum
- Meets IP67 requirements
- RF power up to 500 W @ 2 GHz

#### Features & Benefits

- 31% smaller than comparable 7/16 plug
- 60% lighter than comparable 7/16 square flange receptacle
- Easy to use (push-pull)
- Very low intermodulation level
- Outdoor and harsh environment
- Available in 3 coupling mechanisms
  - » Screw
  - » Hand screw
  - » Push-pull

#### Applications

- Base stations
- RRU/RRH
- Antennas
- Filters
- Couplers, splitters, surge arresters
- Jumpers
- Distribution Antenna System (DAS)