

PRODUCT  
SPECIFICATION



Extremely low insertion loss and high power handling capability

## OneBase™ Diplexer

### Indoor/Outdoor 1800/2100 MHz Diplexer

**T**he Andrew Diplexer combines signals from wireless systems operating in the 1710-1880 MHz bands with signals in the UMTS 1920-2170 MHz bands onto a common feeder cable.

These diplexers use high performance bandpass filters to provide extremely low insertion loss, high isolation, and high power handling capability in a compact, rugged, weatherproof housing. Sealing gaskets provide protection from moisture ingress at all interfaces. Provision has been made to allow DC bypass on all ports. Alternative bypass versions are also available.

The diplexer also allows the pass-through of AISG signals to enable its deployment in systems utilizing remote electrical tilt (RET).

#### Features:

- DCS 1800 (1710-1880)
- UMTS (1920-2170)
- Insertion Loss Typical
  - 0.3 dB (DCS1800)
  - 0.3 dB (UMTS)
- DC bypass all ports, other versions available
- Single or twin configurations available
- AISG signals compatible
- Flexible Mounting options
- Excellent solution for site sharing
- Low Passive Intermodulation
- Very compact design
  - 240mm x 175mm x 46mm
- Weight – 2.6 kg
- Power handling >200W
- Lightning Protection
- IP 68 rated

