

DPX-202

1800 / 2100 Crossband Diplexer

The DPX-202 combiner provides diplexing of 1800 and 2100 MHz signals wherever both signals are required on a single output. This may be at the BTS end of a feeder or at the antenna, and it is also suitable for in-building systems.



- Designed for multi-band antennas or co-located sites
- Suitable for outdoor and indoor applications
- Single & dual mounting configurations available
- Wall or mast mounting
- Small size
- Moisture Release System (MRS) removes the problems associated with internal condensation and pressure build-up by allowing pressure differential to neutralise whilst maintaining water protection to increase longevity of the unit.

TECHNICAL CHARACTERISTICS

GSM1800 Channel

Passband	1710 - 1880 MHz
Insertion Loss	0.20 dB typical
Return Loss all ports	20.7 dB min
Attenuation	
1920 - 2170 MHz	65.0 dB min

UMTS2100 Channel

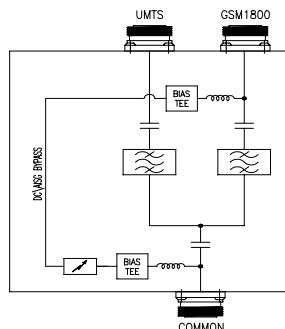
Passband	1920 - 2170 MHz
Insertion Loss	0.20 dB typical
Return Loss all ports	20.7 dB min
Attenuation	
1710 - 1880 MHz	65.0 dB min

General Specifications

Power Ratings	
GSM1800	250W avg, 1000W peak max
UMTS	250W avg, 1000W peak max
Intermodulation products (any band)	< -150 dBc (2 x 20W, common port)
DC/AISG paths	Common port to UMTS2100 port (other configuration are possible - contact us)
Max DC Current	2.5A

Environmental

Weight	2.6 kg
Dimensions (L x W x D)	217 x 127 x 50 mm (excluding connectors and brackets)
Connectors:	DIN 7/16 (f) x 3
Surge Protection	±10 kA max using 8/20us pulse (all ports)
Temperature Range	-40 °C to +65 °C
Environmental rating	Outdoor IP65 (with Moisture Release System) Connectors IP67



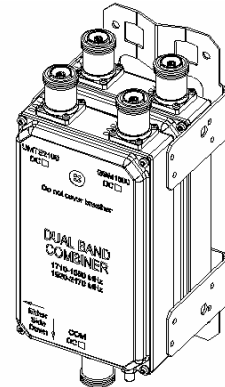
DPX-202

1800 / 2100 Crossband Diplexer

INSTALLATION

DPX-202 is delivered with a wall/pole mounting bracket with a Quick Release metal clamp for 45-178mm diameter poles

Optional: double unit wall/pole mounting bracket kit is available. See opposite.
Contact us.



MECHANICAL

