

TPX-002

900 / 1800 / 2100 Crossband Triplexer



- Designed for multi-band or co-located sites
- Suitable for outdoor and indoor applications
- Wall or mast mounting
- Built-in lightning protection on all ports
- Small size



TECHNICAL CHARACTERISTICS

800/900 Channel

Passband	800 - 960 MHz
Insertion Loss	0.1 dB typ. (0.2 dB max.)
Common Port Return Loss	20.0 dB min
Channel Port Return Loss	20.0 dB min
Group Delay Variation	5 ns typ
Attenuation	
1710 - 1880 MHz	50.0 dB min
1920 - 2170 MHz	50.0 dB min

GSM1800 Channel

Passband	1710 - 1880 MHz
Insertion Loss	0.20 dB typ. (0.5 dB max)
Common Port Return Loss	20.0 dB min
Channel Port Return Loss	20.0 dB min
Group Delay Variation	25.0 ns typ
Attenuation	
800 - 960 MHz	70.0 dB min
1920 - 2170 MHz	50.0 dB min

UMTS2100 Channel

Passband	1920 - 2170 MHz
Insertion Loss	0.20 dB typ. (0.5 dB max)
Common Port Return Loss	20.0 dB min
Channel Port Return Loss	20.0 dB min
Group Delay Variation	25.0 ns typ
Attenuation	
800 - 960 MHz	50.0 dB min
1710 - 1880 MHz	70.0 dB min

Power Ratings (with Common Port match having better than 1.25:1 VSWR)

800/900	240 W avg, 1000W peak max
GSM1800	240 W avg, 1000W peak max
UMTS	150 W avg, 1000W peak max

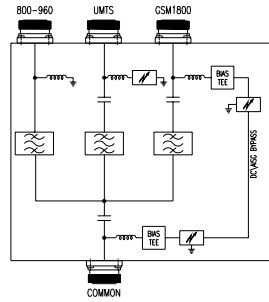
Intermodulation products (800/900, GSM1800, IM3)

800/900, GSM1800	< -155 dBc (2x 20W, 3 rd order)
------------------	--

Weight	4.3 kg with brackets
Dimensions (L x W x D)	328 x 168 x 80 mm including brackets
Connectors:	DIN 7/16 (f) x 4
Surge Protection	±10 kA max using 8/20us pulse (all ports)
Temperature Range	-10 °C to +60 °C
Environmental rating	Outdoor (suits indoor also)
DC / AISG path	Common port to UMTS2100 port (other configuration are possible - contact us)
Max DC Current	2.5A

TPX-002

900 / 1800 / 2100 Crossband Triplexer



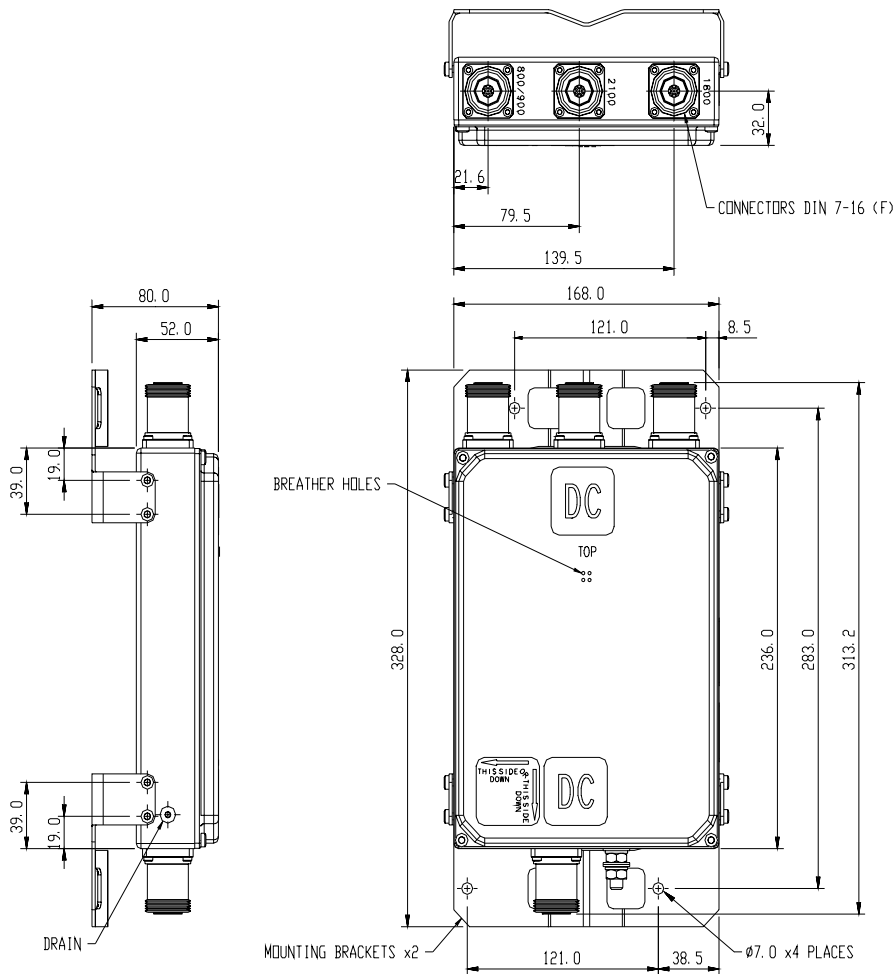
INSTALLATION

TPX-002 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 for this accessory.



MECHANICAL



DT 5327 - Ed B - page 2/2 - We reserve the rights to modify our products without prior notice.