

Twin Dual Duplex TMA 1800

with 900 Bypass for Multiband Antennas

ARTICLE	EXT-11302
BYPASS PATH	
FREQUENCY BAND	880 - 960 MHz
INSERTION LOSS	0.15 dB*
CONTINUOUS AVERAGE POWER	200 W max. (53 dBm)
INTERMODULATION, 2x43 dBm TX CARRIER BTS PORT	-110 dBm max. in RX band ANT port
DOWNLINK (TX) PATH	
FREQUENCY BAND	1805 - 1880 MHz
INSERTION LOSS	0.3 dB*
RETURN LOSS	18 dB min. (VSWR < 1.3:1)
CONTINUOUS AVERAGE POWER	200 W (53 dBm)
INTERMODULATION, 2x43 dBm TX CARRIER BTS PORT	-116 dBm max. in RX band, ANT port
UPLINK (RX) PATH	
FREQUENCY BAND	1710 - 1785 MHz
GAIN	12 dB nominal
NOISE FIGURE	1.5 dB*
INSERTION LOSS, BYPASS MODE	2.0 dB*
RETURN LOSS	18 dB min. (VSWR < 1.3:1)
OUTPUT IP3	25 dBm*
POWER SUPPLY AND ALARM	
DC SUPPLY VOLTAGE VIA BTS-RF CABLE	9 - 17 V DC
DC SUPPLY CURRENT, NORMAL MODE	100 mA *
DC SUPPLY CURRENT, ALARM MODE, SINGLE LEVEL	Factory configurable, 160 - 300 mA
ENVIRONMENTAL	
OPERATING TEMPERATURE RANGE	-40 to +65 °C
OPERATION	ETS 300 019-1-4
STORAGE	ETS 300 019-1-1
INGRESS PROTECTION	IP68
MISCELLANEOUS	
EMC	EN 301 489-8
SAFETY STANDARDS	EN 60950
MTBF	750,000 hours min.
MECHANICAL	
DIMENSIONS	
H x W x D	289 x 262 x 69 mm
CONNECTORS	
	7/16 female, long neck
MOUNTING	
	Hose clamps, arbitrary orientation
VOLUME	
	5,2 l
WEIGHT	
	8000 g
COLOUR	
	NCS 1502-R

* typical data



PRODUCT FEATURES

- Available for antennas with diplexer or for separate 1800 and 900 MHz antennas
- 1800 MHz with 900 MHz band pass
- Expand 900 installation with 1800 and use existing feeder cables