TTA-DB112x

700 / 900 | Twin TMA | AISG v2.0 | Fixed Gain

- 700 / 900, Twin TMA, AISG v2.0, Fixed Gain
- Available in single mode or independent AISG
- Increases coverage and capacity
- Helps to minimize site acquisition issues
- Reduces the cost of network expansion

Ordering Options		Connector Type	
		7/16-DIN Female Connectors	4.3/10 Female Connectors
Single Mode (1x AISG)		TTA-DB112H	TTA-DB112H-43F
Independent AISG (2x AISG)		TTA-DB112N	TTA-DB112N-43F
RF Characteristics			
Downlink (TX) Path		**700**	**900**
Frequency Band		753-798 MHz	925-960 MHz
Insertion Loss (typical)		0.4 dB	0.4 dB
Return Loss		≥ 18 dB	≥ 18 dB
Continuous Average Power (53 dBm)		200 W	200 W
Intermodulation (2x43 dBm TX carrier, BTS Port)		-117 dBm in RX band, ANT port	-117 dBm in RX band, ANT port
Uplink (RX) Path		**700**	**900**
Frequency Band		713-743 MHz	880-915 MHz
Gain (nominal)		12 dB	12 dB
Return Loss		≥ 16 dB	≥ 16 dB
Noise Figure (typical)		1.1 dB	1.1 dB
Insertion Loss, Bypass Mode (typical)		1.7 dB	1.7 dB
Return Loss, Bypass Mode		≥ 12 dB	≥ 12 dB
Output IP3		> 25 dBm	> 25 dBm
Power Supply and Alarm - AISG Mode			
DC Supply Voltage		24 V DC nominal (9-31 V DC)	
Power Consumption		< 4 W	
Control Protocol		3GPP/AISG v2.0	
Environmental Characteristics			
Operating Temperature Range		-40° to +65° C (-40° to +149° F)	
Operation		ETS 300 019-1-4 Class 4.1E	
Storage		ETS 300 019-1-1 Class 1.2	
Ingress Protection		IP67	
EMC		EN 301 489-8	
Safety Standards		EN 60950	
Lightning Protection	ANT, BTS	10 kA 8/20 µs	
	RET Port	5 kA common mode	
MTBF (minimum)		1 Mh/TMA	

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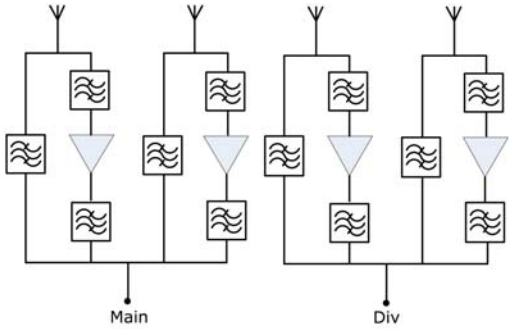
Mechanical Characteristics				
Dimensions - Length x Width x Depth			265 x 245 x 147 mm	10.4 x 9.6 x 5.8 in
Gross Weight			< 12.0 kg	< 26.5 lbs
Connectors (number, type)	BTS		(2x) 7/16-DIN Female or 4.3/10 Female	
	ANT		(4x) 7/16-DIN Female or 4.3/10 Female	
	AISG	Single Mode Model	(1x) 8-Pin Circular Female	
		Independent Mode Model	(2x) 8-Pin Circular Female	
Color			NCS 1502-R	
Mounting			Hose clamps, arbitrary orientation	

Dimensions

Block Diagram



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