

TTA-DD101x

800/900 MHz | Twin TMA | AISG v2.0 | Fixed Gain

- 800/900 MHz, 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 Connectors
Single Mode (1x AISG)	TTA-DD101H	TTA-DD101H-43F
Independent AISG (2x AISG)	TTA-DD101N	TTA-DD101N-43F
RF Characteristics		
Downlink (TX) Path	800 Band	900 Band
Frequency Band	791-821 MHz	925-960 MHz
Insertion Loss (typical)	0.5 dB	0.5 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	800 Band	900 Band
Frequency Band	832-862 MHz	880-915 MHz
Gain (nominal)	12 dB	12 dB
Noise Figure (typical)	1.4 dB	1.4 dB
Insertion Loss, Bypass Mode (typical)	< 2.4 dB	< 2.4 dB
Output IP3 (typical)	25 dBm	25 dBm
Power Supply and Alarm - AISG Mode		
Control Protocol	3GPP/AISG v2.0	
DC Supply Voltage	24 V DC nominal (9 to 31 V DC)	
Power Consumption	< 4 W	
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 301 489-23	
Safety Standards	EN 60950	
Lightning Protection	ANT, BTS	10 kA 8/20 μs
	RET Port	5 kA common mode
MTBF (minimum)	1 Mh/TMA	

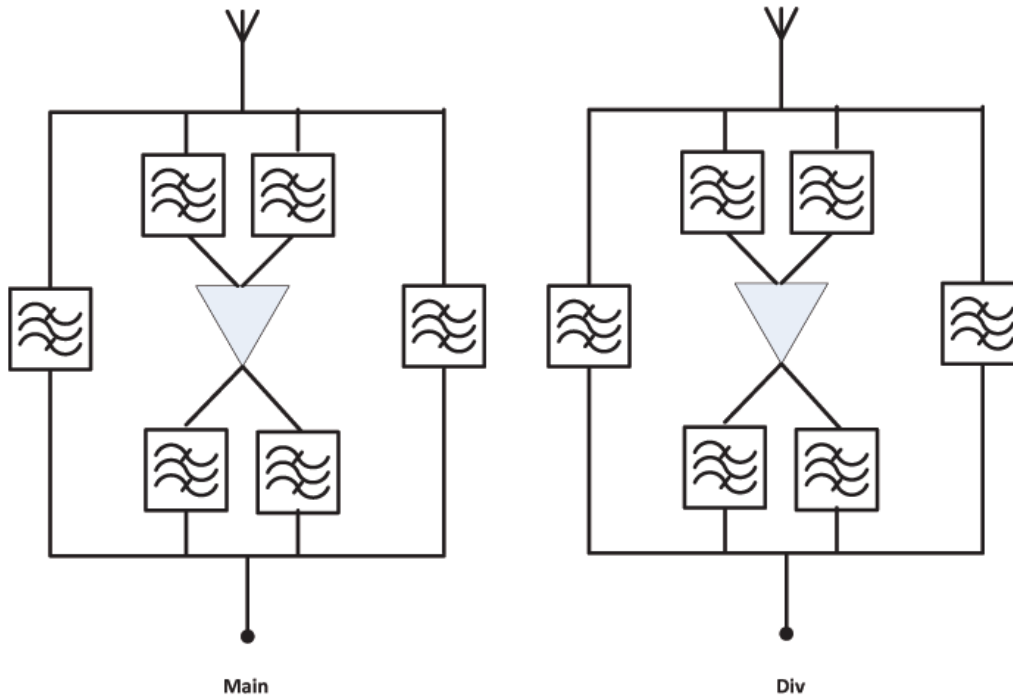


Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

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Mechanical Characteristics		
Dimensions - Length x Width x Depth	245 x 230 x 155 mm	9.6 x 9.1 x 6.1 in
Gross Weight	12.0 kg	26.5 lbs
Connectors (numbers, type)	BTS	2 Connectors / 7-16 Female
	ANT	2 Connectors / 7-16 Female
	AISG	1 Connector / 8 pin circular / Female
Color	NCS 1502-R	
Mounting	Hose clamps, arbitrary orientation	
Block Diagram		



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