

TTA-DN1xxN

GSM1800/UMTS2100 | Twin TMA | AISG v2.0 | Fixed Gain

- 1800/2100 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 Option		Connector Type	
		7/16-DIN Female Connectors	4.3/10 Female Connectors
Single Mode (1x AISG)		TTA-DN112N	TTA-DN112N-43F
Independent AISG (2x AISG)		TTA-DN100N	TTA-DN100N-43F
RF Characteristics			
Downlink (TX) Path		GSM1800	UMTS2100
Frequency Band		1805-1880 MHz	2110-2170 MHz
Insertion Loss		< 0.65 dB	< 0.4 dB
Continuous Average Power (53 dBm)		200 W	200 W
Intermodulation (2x43 dBm TX carrier, BTS Port)		-116 dBm in RX band, ANT port	-125 dBm in RX band, ANT port
Uplink (RX) Path		GSM1800	UMTS2100
Frequency Band		1710-1785 MHz	1920-1980 MHz
Gain (nominal)		12 dB	12 dB
Noise Figure		< 1.5 dB	< 1.4 dB
Insertion Loss, Bypass Mode		< 2.7 dB	< 2.5 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 301 489-8/-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	

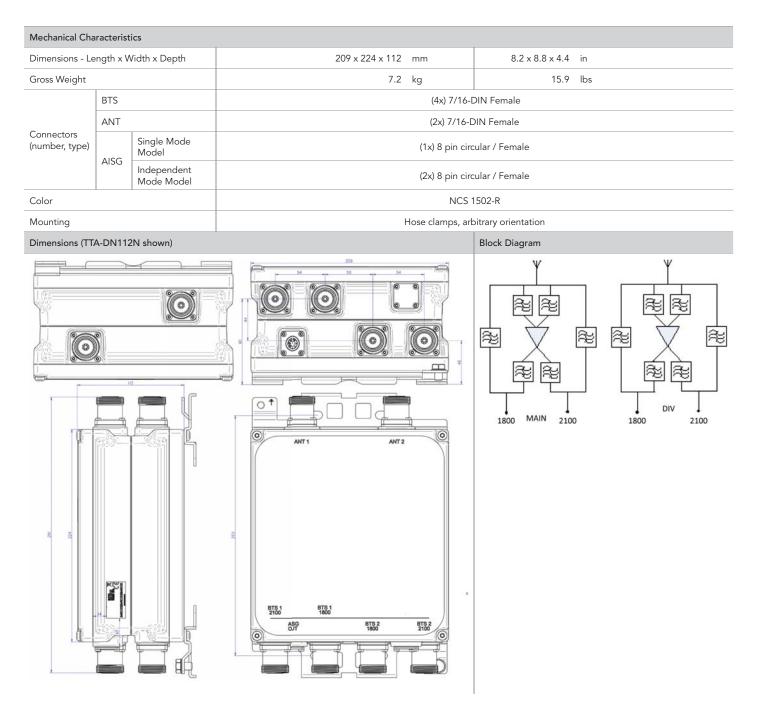


Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product.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



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