TTA-GHG100H

1800 MHz | Twin TMA | AISG v2.0 | Fixed Gain

- 1800 MHz, twin TMA, AISG v2.0, fixed gain
- Increases coverage and capacity
- Helps to minimize site acquisition issues
- Reduces the cost of network expansion

Ordering Options	Model Number	
7/16-DIN Female Connectors	TTA-GHG100H	
4.3/10 Female Connectors	TTA-GHG100H-43F	
RF Characteristics		
Downlink (TX) Path		
Frequency Band	1805-1880 MHz	
Insertion Loss (typical)	0.3 dB	
Continuous Average Power (53 dBm)	200 W	
Intermodulation (2x43 dBm TX carrier, BTS Port)	-117 dBm in RX band, ANT port	
Uplink (RX) Path		
Frequency Band	1710-1785 MHz	
Gain (nominal)	12 dB	
Noise Figure (typical)	1.5 dB	
Insertion Loss, Bypass Mode (typical)	2.0 dB	
Output IP3 (typical)	25 dBm	
Power Supply and Alarm	**Current Window Alarm Mode**	**AISG Mode**
DC	9 to 15 V	9 to 30 V
Power	80-130 mA	< 2 W
Alarm	170-180 mA	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 2.1	
Ingress Protection	IP67	
EMC	EN 301 489-8	
Safety Standards	EN 60950	
Lightning Protection — ANT, BTS	10 kA 8/20 µs	
Lightning Protection — RET Port	5 kA common port	
MTBF (minimum)	1.2 Mh/TMA	

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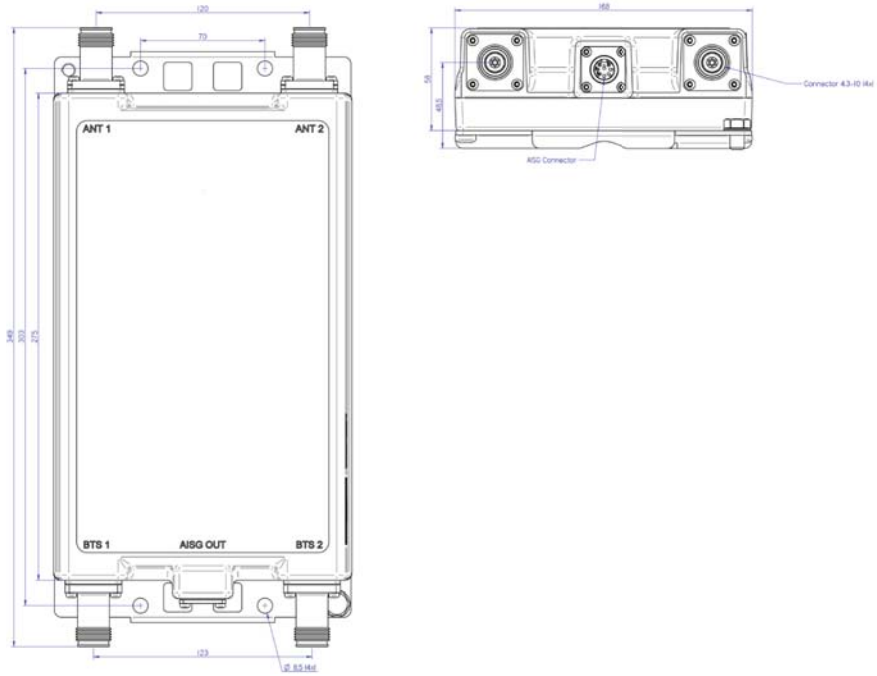
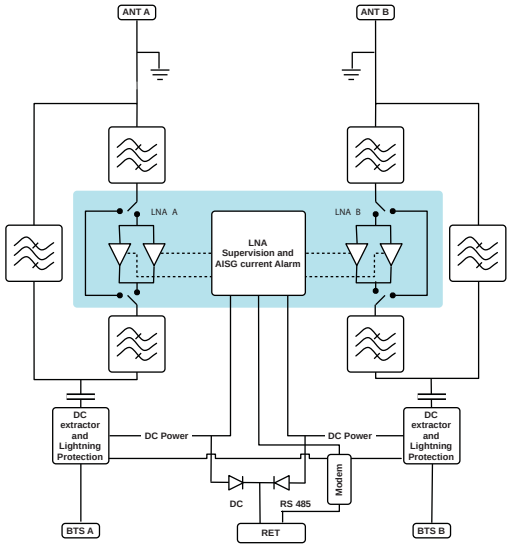
Mechanical Characteristics			
Dimensions - Length x Width x Depth		275 x 168 x 58 mm	10.8 x 6.6 x 2.3 in
Gross Weight		4.6 kg	10.1 lbs
Connectors (number, type)	BTS	(2x) 7/16-DIN Female or 4.3/10 Female	
	ANT	(2x) 7/16-DIN Female or 4.3/10 Female	
	AISG	(1x) 8-Pin Circular Female	
Color		NCS 1502-R, Light Grey	
Mounting		Hose clamps, arbitrary orientation	

Dimensions



Block Diagram



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