

TTA-PSG100H

1900 MHz | Twin TMA | AISG v2.0 | Fixed Gain

- 1900 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 Numbers
7/16-DIN Female Connectors		TTA-PSG100H
4.3/10 Female Connectors		TTA-PSG100H-43F
RF Characteristics		
Downlink (TX) Path		
Frequency Band	1930-1990 MHz	
Insertion Loss (typical)	0.3 dB	
Continuous Average Power (53 dBm)	200 W	
Intermodulation (2x43 dBm TX carrier, BTS Port)	-116 dBm in RX band, ANT port	
Uplink (RX) Path		
Frequency Band	1850-1910 MHz	
Gain (nominal)	12 dB	
Noise Figure (typical)	1.5 dB	
Insertion Loss, Bypass Mode (typical)	2.0 dB	
Input IP3	12 dBm	
Power Supply and Alarm		Current Window Alarm Mode
DC Supply Voltage		9 to 17 V
Power		100 mA (typical)
Alarm		160-300 mA, factory configurable
		AISG Mode
		9 to 30 V
		< 2 W
		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	IP68	
EMC	FCC Part 15	
Safety Standards	EN 60950	
MTBF (minimum)	1.4 Mh/TMA	



Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, 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 products may be made without notice.

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Mechanical Characteristics		
Dimensions - Length x Width x Depth		275 x 168 x 58 mm 10.8 x 6.6 x 2.4 in
Gross Weight		4.6 kg 10.1 lbs
Connectors (number, type)	BTS	2 Connectors / 7/16-DIN Female or 4.3/10 Female
	ANT	2 Connectors / 7/16-DIN Female or 4.3/10 Female
	AISG	1 Connector / 8-Pin Circular Female
Color		NCS 1502-R
Mounting		Hose clamps, arbitrary orientation

Dimensions	Block Diagram

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