

TTA-UMG101H

Ordering Options

UMTS | Twin TMA | AISG v2.0 | Fixed Gain

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

716-DIN Female Connectors TTA-UMG101H 4.3/10 Female Connectors TTA-UMG101H-43F RF Characteristics Downlink (TX) Path Frequency Band 2110-2170 MHz Insertion Loss (typical) 0.3 dB Return Loss 18 dB Continuous Average Power (53 dBm) 200 W Intermodulation (243 dBm TX carrier, BTS Port) 7.125 dBm in RX band, ANT port Uplink (RX) Path Frequency Band 1920-1980 MHz Gain (nominal) 12 dB Noise Figure (typical) 1.3 dB Insertion Loss, Bypass Mode (typical) 2.0 dB Return Loss 2.18 dB Output IP3 (typical) 2.0 dB Return Loss 2.18 dB Output IP3 (typical) 3.1 dB Power Supply and Alarm Current Window Alarm Mode AlaSG Mode DC 9 to 31 V 9 to 31 V Power 10-130 mA (2-15 V input) 3GPP/AISG v2.0 Environmental Characteristics Operating Temperature Range 4-40° 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 Safety Standards ENSO950 RTH Port SkA comm-mode MTBF (minimum) Alm/ITMA									
Prequency Band 2110-2170 MHz	7/16-DIN Female Connectors		TTA-UMG101H						
Downlink (TX) Path	4.3/10 Female Connectors		TTA-UMG101H-43F						
Frequency Band 2110-2170 MHz	RF Characteristics								
Insertion Loss (typical) 0.3 dB	Downlink (TX) Path								
Return Loss	Frequency Band		2110-2170 MHz						
Continuous Average Power (53 dBm) 200 W Intermodulation (2x43 dBm TX carrier, BTS Port) -125 dBm in RX band, ANT port Uplink (RX) Path	Insertion Loss (typical)		0.3 dB						
Intermodulation (2x43 dBm TX carrier, BTS Port)	Return Loss		> 18 dB						
Variety Stranger Variety V	Continuous Average Power (53 dBm)		200 W						
Frequency Band 1920-1980 MHz Gain (nominal) 12 dB Noise Figure (typical) 1.3 dB Insertion Loss, Bypass Mode (typical) 2.0 dB Return Loss > 18 dB Output IP3 (typical) 25 dBm Power Supply and Alarm Current Window Alarm Mode AISG Mode DC 9 to 31 V 9 to 31 V Power 10-130 mA < 2 W			-125 dBm in RX band, ANT port						
Gain (nominal) 12 dB Noise Figure (typical) 1.3 dB Insertion Loss, Bypass Mode (typical) 2.0 dB Return Loss > 18 dB Output IP3 (typical) 25 dBm Power Supply and Alarm Current Window Alarm Mode AISG Mode DC 9 to 31 V 9 to 31 V Power 10-130 mA < 2 W	Uplink (RX) Path								
Noise Figure (typical) 1.3 dB	Frequency Band		1920-1980 MHz						
Insertion Loss, Bypass Mode (typical) Return Loss > 18 dB Output IP3 (typical) Power Supply and Alarm Current Window Alarm Mode DC 9 to 31 V 9 to 31 V Power 10-130 mA < 2 W Alarm 170-180 mA (9-15 V input) 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 EN301 489-8 Safety Standards ANT, BTS ANT, BTS RET Port S kA common mode	Gain (nominal)		12 dB						
Neturn Loss > 18 dB Output IP3 (typical) 25 dBm Power Supply and Alarm Current Window Alarm Mode AISG Mode DC 9 to 31 V 9 to 31 V Power 10-130 mA < 2 W	Noise Figure (typical)		1.3 dB						
Power Supply and Alarm Current Window Alarm Mode AISG Mode DC 9 to 31 V 9 to 31 V Power 10-130 mA < 2 W	Insertion Loss, Bypass Mode (typical)		2.0 dB						
Power Supply and Alarm Current Window Alarm Mode AISG Mode DC 9 to 31 V 9 to 31 V Power 10-130 mA < 2 W	Return Loss		> 18 dB						
DC 9 to 31 V 9 to 31 V Power 10-130 mA < 2 W	Output IP3 (typical)		25 dBm						
Power 10-130 mA < 2 W Alarm 170-180 mA (9-15 V input) 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 EN301 489-8 Safety Standards EN60950 Lightning Protection ANT, BTS 10 kA 8/20 μs RET Port 5 kA common mode	Power Supply and Alarm		Current Window Alarm Mode	AISG Mode					
Alarm 170-180 mA (9-15 V input) 3GPP/AISG v2.0 Environmental Characteristics 40° to +65° C (-40° to +149° F) 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 EN301 489-8 Safety Standards EN60950 Lightning Protection ANT, BTS 10 kA 8/20 μs Lightning Protection 5 kA common mode	DC		9 to 31 V	9 to 31 V					
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 EN301 489-8 Safety Standards EN60950 Lightning Protection ANT, BTS 10 kA 8/20 μs RET Port 5 kA common mode	Power		10-130 mA	< 2 W					
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 EN301 489-8 Safety Standards EN60950 Lightning Protection ANT, BTS 10 kA 8/20 μs RET Port 5 kA common mode	Alarm		170-180 mA (9-15 V input)	3GPP/AISG v2.0					
Operation ETS 300 019-1-4, Class 4.1E Storage ETS 300 019-1-1, Class 1.2 Ingress Protection IP67 EMC EN301 489-8 Safety Standards EN60950 Lightning Protection ANT, BTS 10 kA 8/20 μs RET Port 5 kA common mode	Environmental Chara	cteristics							
Storage ETS 300 019-1-1, Class 1.2 Ingress Protection IP67 EMC EN301 489-8 Safety Standards EN60950 Lightning Protection ANT, BTS 10 kA 8/20 μs RET Port 5 kA common mode	Operating Temperature Range		-40° to +65° C (-40° to +149° F)						
Ingress Protection IP67 EMC EN301 489-8 Safety Standards EN60950 Lightning Protection ANT, BTS 10 kA 8/20 μs RET Port 5 kA common mode	Operation		ETS 300 019-1-4, Class 4.1E						
EMC EN301 489-8 Safety Standards EN60950 Lightning Protection RET Port 5 kA common mode	Storage		ETS 300 019-1-1, Class 1.2						
Safety Standards EN60950 Lightning Protection ANT, BTS 10 kA 8/20 μs RET Port 5 kA common mode	Ingress Protection		IP67						
Lightning Protection ANT, BTS 10 kA 8/20 μs RET Port 5 kA common mode	EMC		EN301 489-8						
Lightning Protection RET Port 5 kA common mode	Safety Standards		EN60950						
RET Port 5 kA common mode	Lightning Protestics	ANT, BTS	10 kA 8/20 μs						
MTBF (minimum) 1.2 Mh/TMA	Lightning Flotection	RET Port	5 kA comn	non mode					
	MTBF (minimum)		1.2 Mh	n/TMA					

Model Numbers





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.



TTA-UMG101H

UMTS | Twin TMA | AISG v2.0 | Fixed Gain

Mechanical Characteristics							
Dimensions - Length x Width x Depth		174 x 153.5 x 53	m	nm	6.9 x 6.0 x	2.0	
Gross Weight		2.8	kç	9		6.2	
Connectors (number, type)	BTS	(2	(2x) 7/16-DIN Female or 4.3/10 Female				
	ANT	(2	(2x) 7/16-DIN Female or 4.3/10 Female				
	AISG		(1x) 8-Pin Circular Female				
Color		NCS 1502-R					
Mounting		Hose clamps, arbitrary orientation					

