

TTA-DV101x

2100/2600 MHz | Twin TMA | AISG v2.0 or AISG v1.1 | Fixed Gain

- 2100/2600 MHz, Twin TMA, AISG v2.0 or AISG v1.1, 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 Female Connectors
Single Mode (1x AISG)	TTA-DV101H	TTA-DV101H-43F
Independent AISG (2x AISG)	TTA-DV101N	TTA-DV101N-43F
RF Characteristics		
Downlink (TX) Path	UMTS 2100	LTE 2600
Frequency Band	2110-2170 MHz	2620-2690 MHz
Insertion Loss (typical)	0.3 dB	0.35 dB
Continuous Average Power (53 dBm)	200 W	200 W
Intermodulation (2x43 dBm TX carrier, BTS Port)	-125 dBm in RX band, ANT port	-116 dBm in RX band, ANT port
Uplink (RX) Path	UMTS 2100	LTE 2600
Frequency Band	1920-1980 MHz	2500-2570 MHz
Gain (nominal)	12 dB	12 dB
Noise Figure (typical)	1.3 dB	1.4 dB
Insertion Loss, Bypass Mode (typical)	1.9 dB	2.0 dB
Output IP3 (typical)	25 dBm	25 dBm
Power Supply and Alarm	Current Window Alarm Mode	AISG Mode
DC	9 to 15 V	24 V DC nominal (8 to 31 V)
Power	< 165 mA @ 12 V	< 4 W
Alarm	320 mA, factory configurable max	3GPP/AISG v2.0 or AISG v1.1
Environmental Characteristics		
Operating Temperature Range	-40° to +65° C (-40° to +149° F)	
Operation	ETS 300 019-1-4, Class 4.1E (2.1.2)	
Storage	ETS 300 019-1-1, Class 1.3E (2.1.4)	
Transport	ETS 300 019-1-2, Class 2.3 (2.1.4)	
Ingress Protection	IP67	
EMC	EN301 489-8	
Safety Standards	EN 60950	
MTBF (minimum)	1 Mh/TMA	



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Mechanical Characteristics			
Dimensions - Length x Width x Depth		187 x 152 x 107 mm 7.4 x 6.0 x 4.2 in	
Gross Weight		5.0 kg 11.0 lbs	
Connectors (type)	BTS	2 Connectors / 7/16-DIN Female or 4.3/10 Female	
	ANT	4 Connectors / 7/16-DIN Female or 4.3/10 Female	
	AISG	Single Mode Model	1 Connector / 8-Pin Circular / Female
		Independent AISG Model	2 Connectors / 8-Pin Circular / Female
Color		NCS 1502-R	
Mounting		Wall Mount Bracket	

Dimensions (TTA-DV101N shown)	Block Diagram

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