

ATSBT-TOP-FM-5G | D85E01P86



Top Smart Bias Tee 600-4200 MHz

- Reduces cable and site lease costs by eliminating the need for AISG home run cables
- Weatherproof AISG connectors
- Intuitive schematics simplify and ensure proper installation
- Enhanced lightning protection plus grounding stud for additional surge protection
- 4.3-10 female connector (BTS)
- 4.3-10 male connector (ANT)
- Operates at 10-30 Vdc
- AISG 1.1 and 2.0 compliant

Product Classification

Product Type RET bias tee

General Specifications

AISG Input Connector 8-pin DIN Female

Antenna Interface 4.3-10 Male

Antenna Interface Signal RF | dc Blocked

BTS Interface 4.3-10 Female

BTS Interface Signal AISG data | RF | dc

Color Silver

EU Certification CE

Grounding Lug Thread Size M6

Smart Bias Tee Type 10-30 V Top

Dimensions

Height 68 mm | 2.677 in

Width 98 mm | 3.858 in

Depth 60 mm | 2.362 in

Electrical Specifications

3rd Order IMD -161 dBc

3rd Order IMD Test Method Two +43 dBm CW Tones

Insertion Loss, typical 0.1 dB

Electromagnetic Compatibility (EMC) CFR 47 Part 15, Subpart B, Class B | EN 55022, Class B | ICES-003 Issue 4 CAN

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/CSA-CEI/IEC CISPR 22:02

Impedance	50 ohm
Interface Protocol Signal	Data dc
Lightning Surge Capability	5 times @ -3 kA 5 times @ 3 kA
Lightning Surge Capability Test Method	IEC 61000-4-5, Level X
Lightning Surge Capability Waveform	1.2/50 voltage and 8/20 current combination waveform
Operating Frequency Band	600 – 4200 MHz
Power Consumption, maximum	0.6 W
Protocol	AISG 1.1 AISG 2.0
RF Power, maximum	500 W (CW Tone)
Voltage Range	10–30 Vdc
VSWR Return Loss	1.09:1 27 dB, typical

Material Specifications

Material Type	Aluminum
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Environmental Specifications

Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Weight, net	0.9 kg 1.984 lb
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Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

