

## Bottom Smart Bias Tee

- Injects AISG power and control signals onto a coaxial cable line
- Reduces cable and site lease costs by eliminating the need for AISG home run cables
- AISG 1.1 and 2.0 compliant
- Operates at 10-30 Vdc
- Weatherproof AISG connectors
- Intuitive schematics simplify and ensure proper installation
- Enhanced lightning protection plus grounding stud for additional surge protection
- 7-16 DIN female connector (ANT)
- 7-16 DIN female connector (BTS)

### OBSOLETE

This product was discontinued on: December 31, 2017

Replaced By:

ATSBT-BOTTOM-MF-4G Bottom Smart Bias Tee

## Product Classification

Product Type	RET bias tee
General Specifications	
AISG Input Connector	8-pin DIN Male
Antenna Interface	7-16 DIN Female
Antenna Interface Signal	AISG data   RF   dc
BTS Interface	7-16 DIN Female
BTS Interface Signal	RF   dc Blocked
Color	Silver
EU Certification	CE
Grounding Lug Thread Size	M8
Smart Bias Tee Type	10-30 V Bottom
Dimensions	
Height	143 mm   5.63 in
Width	94 mm   3.701 in
Depth	50 mm   1.969 in

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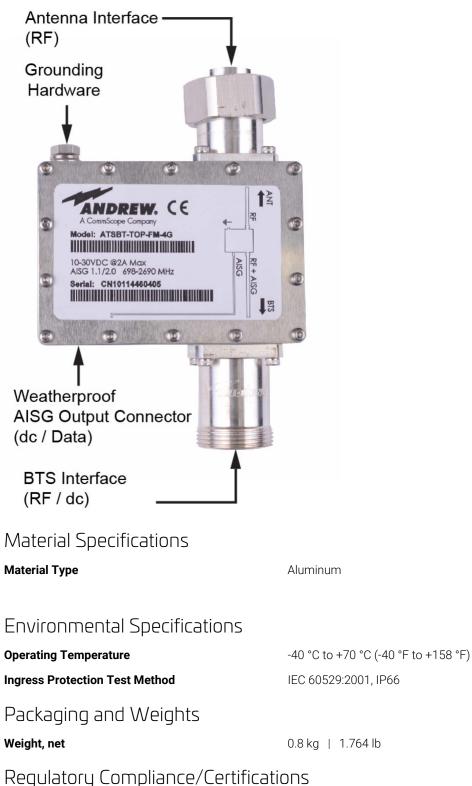
## Electrical Specifications

3rd Order IMD	-158 dBc
3rd Order IMD Test Method	Two +43 dBm carriers
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 /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	694 – 2690 MHz
Power Consumption, maximum	0.6 W
Protocol	AISG 1.1   AISG 2.0
RF Power, maximum	250 W @ 1850 MHz   500 W @ 850 MHz
Voltage Range	10-30 Vdc
VSWR   Return Loss	1.17:1   22 dB, typical

## Interface Port Drawing



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#### Agency

Classification

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CHINA-ROHS

ISO 9001:2015

ROHS

UK-ROHS



Above maximum concentration value Designed, manufactured and/or distributed under this quality management system Compliant/Exempted Compliant/Exempted





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