ATSBT-BOTTOM-FM-4G



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 male connector (ANT)
- 7-16 DIN female connector (BTS)

Product Classification

Product Type RET bias tee

General Specifications

AlSG Input Connector 8-pin DIN Male
Antenna Interface 7-16 DIN Male

Antenna Interface Signal AISG data | RF | dc

BTS Interface 7-16 DIN Female

BTS Interface Signal RF | dc Blocked

ColorSilverEU CertificationCEGrounding Lug Thread SizeM8

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

Electrical Specifications

3rd Order IMD -158 dBc

3rd Order IMD Test Method Two +43 dBm carriers

Insertion Loss, typical 0.1 dB

COMMSC PE®

ATSBT-BOTTOM-FM-4G

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 MethodIEC 61000-4-5, Level X

Lightning Surge Capability Waveform 1.2/50 voltage and 8/20 current combination waveform

Operating Frequency Band 617 – 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

Material Specifications

Material Type Aluminum

Environmental Specifications

Operating Temperature $-40 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F})$

Ingress Protection Test Method IEC 60529:2001, IP66

Packaging and Weights

Weight, net 0.8 kg | 1.764 lb

Regulatory Compliance/Certifications

Agency Classification

CE Compliant with the relevant CE product directives

CHINA-ROHS Above maximum concentration value

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

ROHS Compliant/Exempted UK-ROHS Compliant/Exempted





