



# MI-31802

## Smart Bias Tee/ANT



This unit is meant to be used at Antenna end to take DC and modulated AISG signalling from the RF cable to the antenna devices over an AISG jumper.

- RF signal, DC and modulated AISG signal from the BTS is fed to BTS port. AISG is demodulated and routed to the AISG port on the Bias-T
- Antenna port, 4.3-10 Male, is DC shorted and only having RF
- BTS port, 4.3-10 Female

### MASS™

#### Microdata Advanced Site Solutions

With our expertise in site system design we are able to provide a solution for any site sharing or upgrade scenario.

Our focus area is RF-filter based solutions including combiners, multi band TMAs, di-, tri- and quadruplexers.

Our product portfolio supports all frequencies for mobile communication bands ranging from 450 MHz to 6 GHz.

Site and network sharing makes it cost efficient to reach sparsely populated areas where new subscribers can contribute to revenue.

### MASS™ Advantage

**Increases coverage**  
more traffic & higher ARPU

**Increases capacity**  
more traffic & higher ARPU

**Reduces the cost**  
of network expansion

**Minimizes**  
site acquisition issues

## Specifications

Electrical	
Frequency range	555 - 3800 MHz
IL	0.1 dB typ
Min RL	20 dB
Max RF power	750 W
Max DC current	2.7 A
Max voltage drop	1 V
Max intermodulation	-117 dBm @2x43 dBm
Min isolation RF - DC	65 dB
Modem frequency	2.176 MHz
Environmental	
Temperature	-40 °C to +65 °C   -40 °F to +149°F
Ingress protection	IP 67
Lightning protection	10 kA 8/20 µs 3 kA 10/350 µs
Mechanical	
Weight	0.4 kg   0.88 lb
Size (WxHxD)	138x82x48 mm   5.43x3.23x1.89 in
Connectors	
BTS-Side - 4.3-10 F	
ANT-Side - 4.3-10 M	
AISG 8-pin circular F (IEC 60130-9)	
Pin	Function
3	RS485-B
5	RS485-A
6	9-30 VDC
7	DC return (ground)
1, 2, 4, 8	Not connected

### Mechanical Drawing

