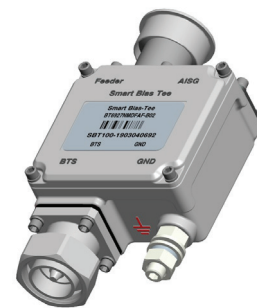


SBT-6902700-xxxx-JJ

SMART BIAS-T | 690-2700 MHz

- Convert signals between OOK and RS485
- Low passive intermodulation, low insertion loss and high power capacity
- Ultra wide band design for various communication systems
- Small volume, light weight
- Support AISG 2.0 protocol



Ordering Options

When ordering replace "xxx" in the model number with the letters that correspond to the desired connector configuration.

Model Number	Connector Configuration		
	Antenna / Equipment Connector Port 1	Line Connector Port 2	AISG Connector Port 3
SBT-6902700-4MFM-JJ	4.3-10 Male (BTS)	4.3-10 Female	AISG 8-pin Male
SBT-6902700-4MFF-JJ	4.3-10 Female (ANT)	4.3-10 Female	AISG 8-pin Female
SBT-6902700-DMFM-JJ	7/16-DIN Male (BTS)	7/16-DIN Female	AISG 8-pin Male
SBT-6902700-DMFF-JJ	7/16-DIN Male (ANT)	7/16-DIN Female	AISG 8-pin Female

Electrical Characteristics

Frequency Band	690-2700 MHz	
Insertion Loss	Port 1 -- Port 2	< 0.1 dB (690 - 2700 MHz)
Isolation for DC and RCU signals	Port 1 -- Port 2	> 70 dB
	Port 1 -- Port AISG	
VSWR	< 1.15	
Impedance	50Ω	
Input power	Port 1 or Port 2	500 W (690 - 2700 MHz)
	Port AISG	< 2.5 A / +8 ... +30 VDC
Power consumption	Typically 0.6 W	
Intermodulation 3rd Order, 2x43 dBm	< -117 dBm	
Modern Carrier Frequency	2.176 MHz	

Environmental Characteristics

Operating Temperature	-40° to +70° C (-40° to 149° F)	
Application	Indoor / Outdoor (IP 67)	
Lightning Protection	10 kA (8/20 μs)	

Mechanical Characteristics

Dimensions (Length x Width x Depth)	75 x 79 x 45.5 mm	2.9 x 3.1 x 1.7 in
Weight	0.75 kg	1.7 lbs
Packing Dimensions (L x W x D)	185 x 78 x 58 mm	7.3 x 3.1 x 2.3 in

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.