

SBT-6962690-xxx

SMART BIAS-T | 696-2690 MHz

Ordering Options

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

Model Number	Model Also Known As	Connector Configuration		
		Antenna / Equipment Connector Port 1	Line Connector Port 2	AISG Connector Port 3
SBT-6962690-FFM	MODEM100	Female	Female	Male
SBT-6962690-MFM	MODEM103	Male	Female	Male
SBT-6962690-FMM	MODEM101	Female	Male	Male
*SBT-6962690-FFF	MODEM200	Female	Female	Female
SBT-6962690-MFF	MODEM203	Male	Female	Female
SBT-6962690-FMF	MODEM201	Female	Male	Female



SBT-6962690-FFF Configuration 2 (below)

*Based on supply, model SBT-6962690-FFF may be shipped as Configuration 2. Refer to the Mechanical Characteristics section below for differences in dimensions and weight between the Standard Configuration and Configuration 2. All Electrical and Environmental Characteristics remain the same between both Configurations.



Electrical Characteristics

Frequency Band	698-2690 MHz		
Insertion Loss	0.1 dB		
Return Loss	20 dB		
RF Power (max)	750 W		
DC Current	2.7 A		
Voltage Drop	1 V		
Intermodulation (2x43 dBm)	FFF & FFM Configurations	-117 dBm	
	All Other Configurations	-116 dBm	
Isolation (RF - DC)	65 dB		
Modem Frequency	2.176 MHz		

Environmental Characteristics

Operating Temperature	-40° to +65° C (-40° to 149° F)		
Ingress Protection	FFF, MFM & FFM Configuration	IP67	
	All Other Configurations	IP66	
Lightning Protection	10 kA 8/20 µs; 3 kA 10/350 µs		

Mechanical Characteristics

Dimensions (Length x Width x Depth)	76 x 88 x 48	mm	3.0 x 3.5 x 1.9	in	
Weight	0.75	kg	1.7	lbs	
*Configuration 2	Dimensions (LxWxD)	74 x 74 x 35	mm	2.9 x 2.9 x 1.4	in
	Weight	0.72	kg	1.6	lbs

Connector Characteristics

Connector Type	BTS	7/16-DIN			
	ANT	7/16-DIN			
	AISG	8-Pin Circular			
		Pin 1: Not Connected	Pin 5: RS485-A		
		Pin 2: Not Connected	Pin 6: 9-30 VDC		
Pin 3: RS485-B		Pin 7: DC Return (ground)			
	Pin 4: Not Connected	Pin 8: Not Connected			

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.