

Smart Bias Tee

966100X7

HILINKS

- AISG modem inside
- Feeding DC to supply cable
- Built-in lighting protection
- Simple installation
- Support AISG1.0 and AISG2.0
- Port DC/AISG=Port for DC and AISG signal
- Frequency Range 698-2700 MHz
- Low PIM ≤ -160 dBc
- Low insertion loss ≤ 0.3 dB
- high output power $\leq 200W$ AVG, 2000W Peak
- Port 1=Port for BTS or Antenna
- Port 2=Port for Feeder Cable

Technical Data

Electrical Specifications				
Type No.	96610067	96610057	96610087	96610077
Application	Antenna-Feeder		BTS-Feeder	
Port1	7-16 Male	7-16 Female	7-16 Male	7-16 Female
Port2	7-16 Female	7-16 Male	7-16 Female	7-16 Male
Port DC/AISG	Female	Female	Male	Male
Frequency Range (MHz)	698-2700			
Insertion Loss (dB)	Port1 – Port2	≤ 0.3		
DC isolation (dB)	Port1 – Port2	>60		
	Port1 – Port DC/AISG	>60		
	Port2 – Port DC/AISG	/		
VSWR	≤ 1.25			
PIM3 (@2x43 dBm Carrier) (dBc)	≤ -160			
Power consumption(W)	0.6 typical			
Power handling (W)	Port1 or Port2	$\leq 200W$ AVG, 2000W Peak		
	Port DC/AISG	$\leq 2.5A$ / +10~+30VDC		
Modem communication	3GPP TS 25.461			
Impedance (Ω)	50			

Mechanical Specifications	
Dimensions (excluding connectors and mounting bracket) (mm)	70x68.5x55.5
Weight (including connectors and mounting bracket) (kg)	0.8
Packing Size(mm)	200x120x90
Color	Light Gray (customized)
Connector	Port 1 Port 2 DC/AISG
	7-16 (F or M) 7-16 (F or M) RS485 (F or M,8-pin)

Environmental Specifications	
Operational Temperature (°C)	-40 to +65
Operational Humidity (%)	≤ 95
Ingress Protection Class	IP67 (Indoor and Outdoor)
Lightning Protection	3kA; 10/350 Us pulse

Smart Bias Tee

966100X7



Outline Drawing

Application:Antenna-Feeder

96610067

Port1: Antenna(M)

Port2: Feeder(F)

Port AISG: F

96610057

Port1: Antenna(F)

Port2: Feeder(M)

Port AISG: F

