



Bias Tee with 10MHz Reference

KEY FEATURES

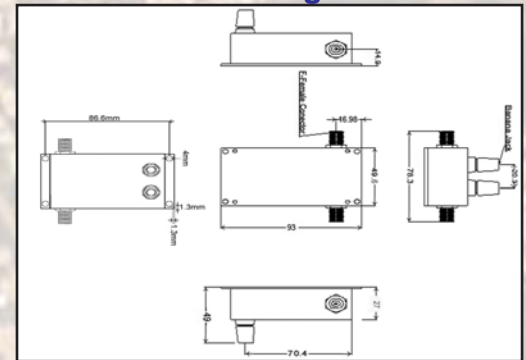
- ◆ Bandwidth 950 MHz to 2 GHz
- ◆ IF passed through
- ◆ Selectable power source
- ◆ High stability (10^{-8}) 10 MHz injection
- ◆ Up to 6 Amps DC input
- ◆ 15-64 VDC power input
- ◆ “N” or “F” RF interface options
- ◆ Three year warranty

ABT6ARSN / ABT6ARSF



This small and efficient unit provides 10MHz high stability (10^{-8}) reference and DC supply to a BUC in case a modem neither cannot supply sufficient power nor 10MHz reference. The unit passes L-Band signal and injects 10MHz reference signal or up to 6A DC current.

Mechanical Drawing



TECHNICAL SPECIFICATIONS	
RF frequency	950 MHz to 2 GHz
Voltage	15 – 64 VDC
Current	6 Amps max
10MHz ref. stability	10^{-8}
Phase noise	10Mhz @1Hz -85dBc/Hz 10Mhz @10Hz -115dBc/Hz 10Mhz @100Hz -140dBc/Hz 10Mhz @1000Hz -150dBc/Hz 10Mhz @10000Hz -155dBc/Hz
Output level	>225mV (0dBm)
Insertion loss	1.0dB max @10MHz 1.0dB max @950MHz – 1.45GHz
RF interface	From modem & to BUC: F-type From modem & to BUC: N-type
DC interface	Banana jack
Impedance	ABT6ARSF 75 ohms ABT6ARSN 50 ohms
Temperature range	-40 deg C to +65 deg C
operating	-40 deg C to +75 deg C
storage	
Dimensions	93 (L) x 49.6 (W) x 27 (H) mm
Weight	247 g max

Power Source Switch

