

The Bias Tee is used to feed DC voltage into the feeder cable of a receiving and/or transmitting antenna system to provide the operating voltage for a tower mounted amplifier.

Design and construction:

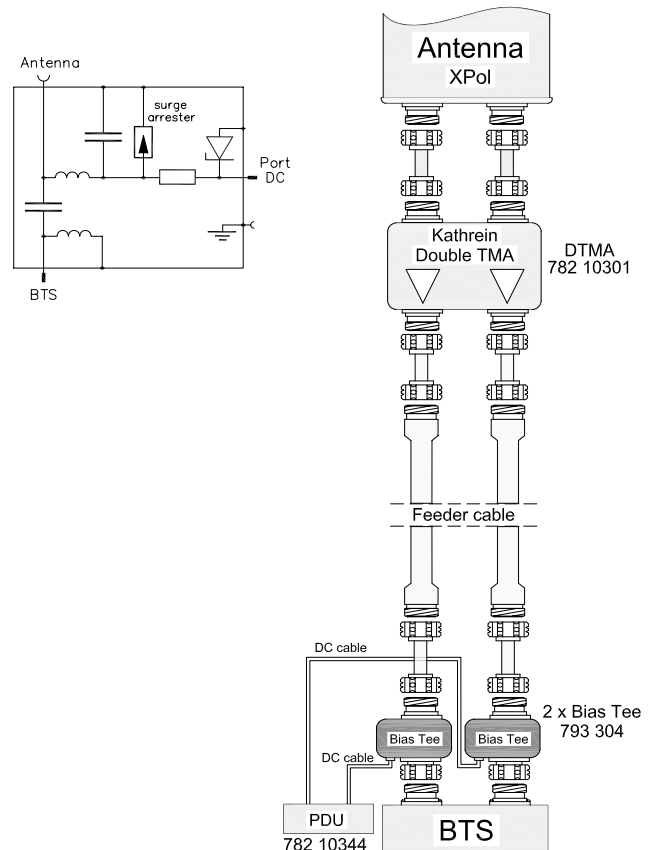
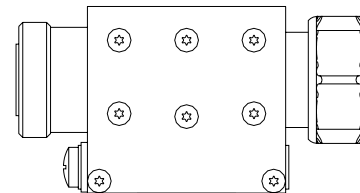
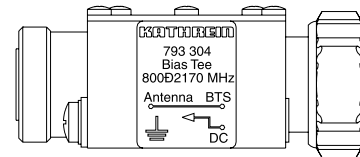
- The Bias Tee provides low RF signal insertion loss from the BTS to the antenna port and vice versa.
- The DC voltage is fed from the DC port to the antenna port while providing a high level of DC isolation from the DC to the BTS port and from the antenna to the BTS port.
- The measures taken to protect against static discharge and lightning ensure a high level of reliability and operational safety.
- For indoor use.

Specifications:

Frequency range	800–2170 MHz
Impedance	50 ohms
VSWR	< 1.1:1 (800–2170 MHz)
Insertion loss BTS↔Antenna	< 0.1 dB (800–2170 MHz)
Isolation BTS↔Antenna BTS↔DC	>70 dB (DC) >70 dB (DC)
Maximum input power BTS DC	<250 watts (800–2170 MHz) <1000 mA / 0–+30 VDC
Intermodulation (2x20w)	IM3: <-160 dBc
Lightning protection	5 kA, 8/20 µs pulse
Operating temperature	-40° to +70° C
Connectors BTS Antenna DC	7/16 DIN male 7/16 DIN female SMB male
Dimensions	3.5 x 1.9 x 1.3 inches (88 x 47 x 35.4 mm)
Weight	1.3 lb (0.6 kg)
Shipping dimensions	5.7 x 5.7 x 2 inches (145 x 145 x 50 mm)

Order Information:

Model	Description
793 304	Bias Tee



Application Example



10727-C
936.1953/b



All specifications are subject to change without notice.
The latest specifications are available at www.kathrein-scala.com.

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