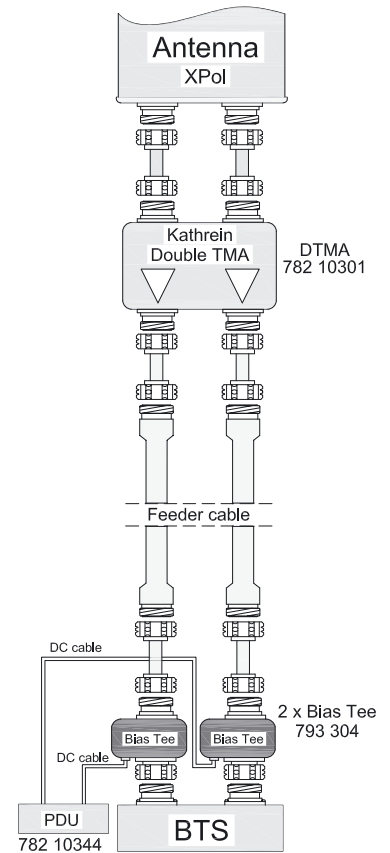
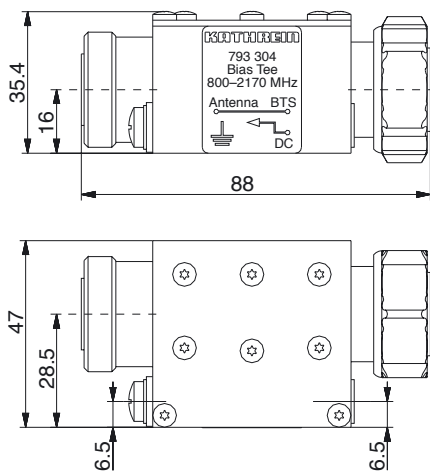


Bias Tee

800 – 2170 MHz

The Bias Tee is suitable to feed DC voltage into the feeder cable of a receiving and/or transmitting antenna system in order to provide the operating voltage for a mast head amplifier.

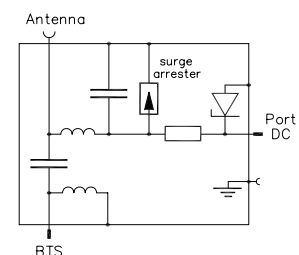
- The Bias Tee provides low RF signal insertion loss from the BTS to the antenna port and vice versa.
- The DC voltage is fed from the DC port to the antenna port while providing a high level of DC isolation from the DC to the BTS port and from the antenna to the BTS port.
- The measures taken to protect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



Application Example

Technical Data

Type No.	793 304
Frequency range	800 – 2170 MHz
Insertion loss BTS ↔ Antenna	< 0.1 dB (800 – 2170 MHz)
Isolation BTS ↔ Antenna BTS ↔ DC	> 70 dB (DC) > 70 dB (DC)
VSWR	< 1.1 (800 – 2170 MHz)
Impedance	50 Ω
Input power BTS DC	< 250 W (800 – 2170 MHz) < 1000 mA / 0 ... +30 VDC
Intermodulation products	< -160 dBc (3rd order; with 2 x 20 W)
Lightning protection	5 kA, 8/20 μs pulse
Temperature range	-40 ... +70 °C
Connectors BTS Antenna Port DC	7-16 male 7-16 female SMB male
Application	Indoor
Weight	0.6 kg
Packing size	145 mm x 145 mm x 50 mm
Dimensions (w x h x d)	88 mm x 47 mm x 35.4 mm (including connectors and earthing screw of 6 mm diameter)



936.1953/b Subject to alteration.