

# Duplexer

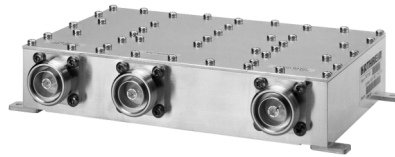
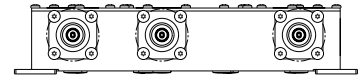
## 1920 – 1980 / 2110 – 2170 MHz (UMTS)

The Duplexer is designed to combine/split UMTS Tx and Rx signals onto/from one common Tx/Rx antenna in order to save feeder cable and antenna costs.

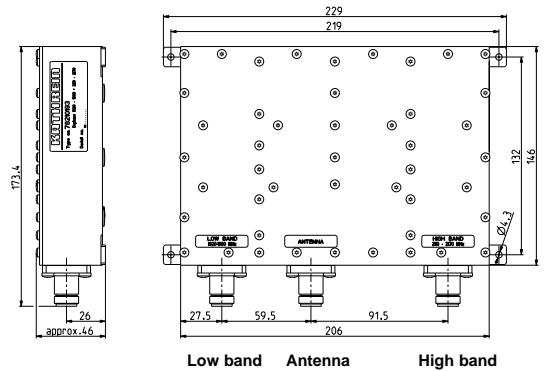
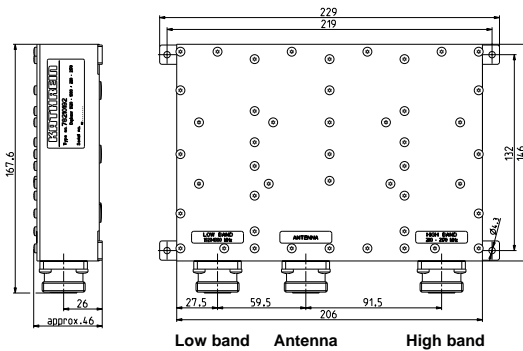
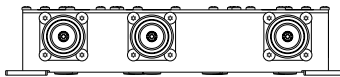
- Suitable for indoor applications
- Built-in DC stop



782 10193



782 10192



### Typical Attenuation Curves

Diagram I

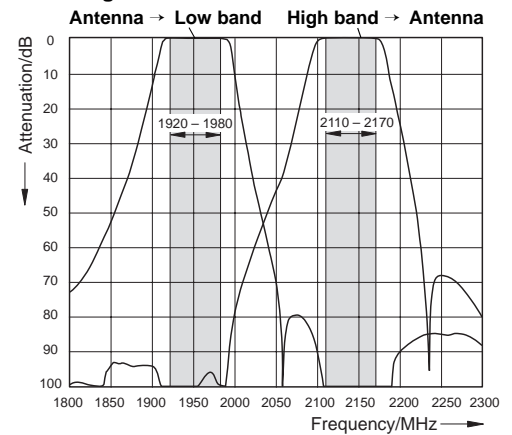
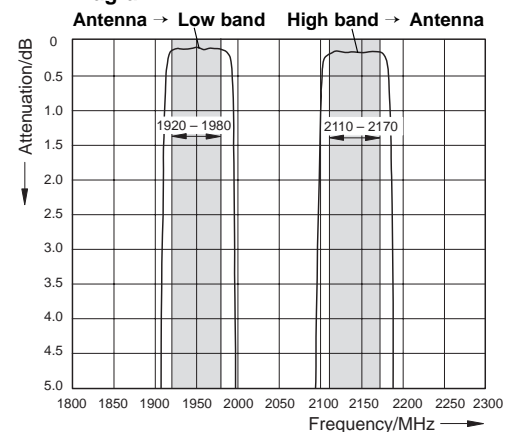


Diagram II



### Technical Data

Type No.	782 10192	782 10193
Pass band		
Low band	1920 – 1980 MHz	
High band	2110 – 2170 MHz	
Insertion loss		
Antenna → Low band	< 0.3 dB (1920 – 1980 MHz)	
High band → Antenna	< 0.3 dB (2110 – 2170 MHz)	
Isolation		
Low band ↔ High band	> 90 dB (1920 – 1980 / 2110 – 2170 MHz)	
VSWR	< 1.25 (1920 – 1980 / 2110 – 2170 MHz)	
Impedance	50 Ω	
Input power	< 250 W (low band or high band)	
Intermodulation products	< -160 dBc (3rd order; with 2 x 20 W)	
Temperature range	-20 ... +55 °C	
Connectors	7-16 female	N female
Application	Indoor	
Special features	Built-in DC stop between all ports	
Mounting	With 4 screws (max. 4 mm diameter)	
Weight	1.67 kg	
Packing size	272 mm x 237 mm x 119 mm	
Dimensions (w x h x d)	229 x 46 x 167.6 mm	229 x 46 x 173.4 mm (including connectors and mounting feet)

936.2315/b Subject to alteration.