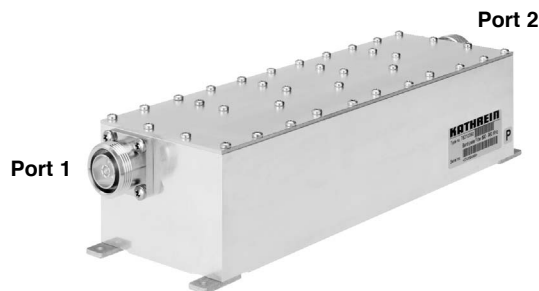
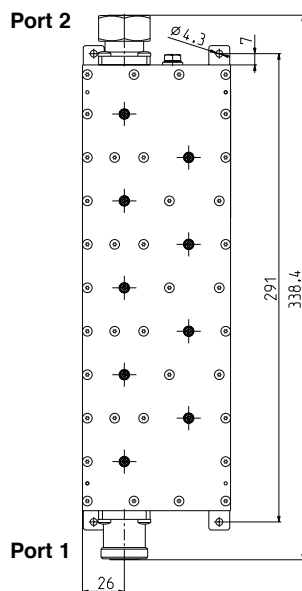
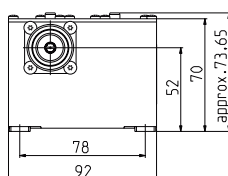


Band-pass Filter

890 – 960 MHz (GSM 900)

KATHREIN
Antennen · Electronic

- GSM 900 Tx/Rx preselector filter
- Suppression of interfering Tx signals of an adjacent AMPS or CDMA frequency band
- Suitable for indoor applications
- Built-in DC stop



782 10390
Typical Attenuation Curves
Diagram I

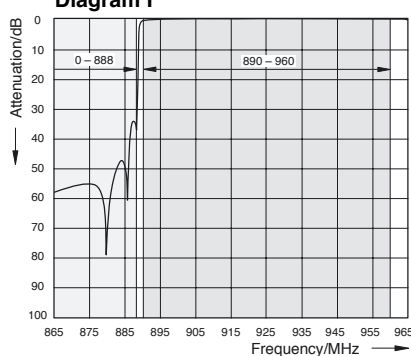
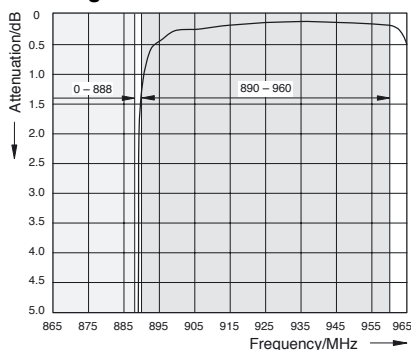


Diagram II



782 10391
Typical Attenuation Curves
Diagram I

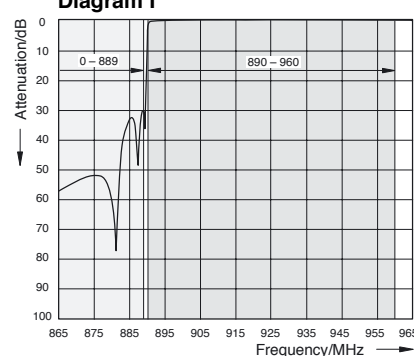
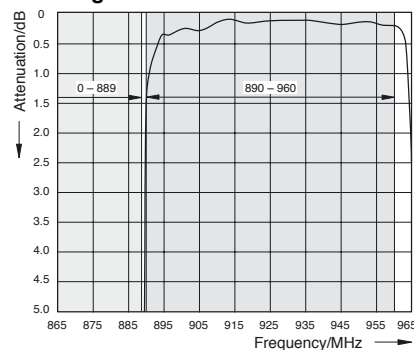


Diagram II



Technical Data

Type No.	782 10390	782 10391
Stop band Frequency spacing	0 – 888 MHz 2 MHz	0 – 889 MHz 1 MHz
Pass band	890 – 960 MHz	890 – 960 MHz
Insertion loss	< 1.5 dB (890 – 892 MHz) < 0.8 dB (892 – 893 MHz) < 0.6 dB (893 – 905 MHz) < 0.3 dB (905 – 960 MHz)	< 4.0 dB (890 – 891 MHz) < 2.5 dB (891 – 892 MHz) < 1.0 dB (892 – 893 MHz) < 0.6 dB (893 – 905 MHz) < 0.3 dB (905 – 960 MHz)
Stop band attenuation	> 50 dB (0 – 880 MHz) > 40 dB (880 – 885 MHz) > 30 dB (885 – 888 MHz)	> 50 dB (0 – 869 MHz) > 30 dB (869 – 889 MHz)
VSWR	< 1.25 (890 – 960 MHz)	< 1.3 (891 – 960 MHz)
Impedance	50 Ω	
Input power	< 400 W (935 – 960 MHz)	
Intermodulation products	< –160 dBc (3 rd order; with 2 x 20 W)	
Temperature range	–20 ... +55 °C	–5 ... +45 °C
Connectors	Port 1: 7-16 female, long neck / Port 2: 7-16 male	
Application	Indoor	
DC/AISG transparency Port 1 ↔ Port 2	Stop	
Mounting	With 4 screws (max. 4 mm diameter)	
Weight	2 kg	
Packing size	387 x 137 x 130 mm	
Dimensions (w x h x d)	92 x 74 mm x 338.4 mm (including connectors and mounting feet)	