

The duplexer is designed to combine/split AMPS Tx and Rx signals to/from one common Tx/Rx antenna in order to save feeder cable and antenna costs

It can be used:

- Indoor and outdoor versions.
- Built-in DC stop.
- 78210168: AMPS A-Band, indoor version
- 78210169: AMPS A-Band, outdoor version
- 78210170: AMPS A-Band, indoor version mounted onto a 19" drawer
- 78210171: AMPS B-Band, indoor version
- 78210172: AMPS B-Band, outdoor version



782 10168
782 10171



782 10169
782 10172



782 10170
(19" drawer)

General specifications:	782 10168, 782 10169, 782 10170	782 10171, 782 10172
Frequency range		
Low band	824–835 MHz	835–851 MHz
High band	869–880 MHz	880–896 MHz
Impedance	50 ohms	50 ohms
VSWR	<1.25:1	<1.25:1
Insertion loss		
Antenna→Low band	<0.5 dB	<0.5 dB
High band→Antenna	<0.5 dB	<0.5 dB
Isolation		
Low band↔High band	>85 dB	>85 dB
Maximum input power	<400 watts (high band) max. 8 carriers	<400 watts (high band) max. 12 carriers
Intermodulation (2x20w)	IM3: <-160 dBc	IM3: <-160 dBc
Connectors	7-16 DIN female	7-16 DIN female

See reverse for order information.

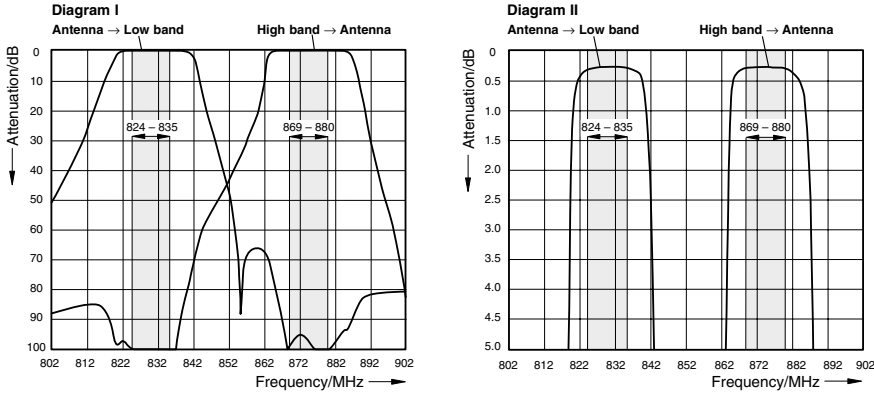
Specifications:	782 10168	782 10169	782 10171	782 10172
Temperature range	-20° to +55° C	-40° to +60° C	-20° to +55° C	-40° to +60° C
Application	Indoor	Outdoor (IP 66)	Indoor	Outdoor (IP 66)
Dimensions	9 x 6.7 x 3.1 inches (229 x 170 x 80 mm)	12 x 9.4 x 3.7 inches (305 x 238 x 94 mm)	9 x 6.7 x 3.1 inches (229 x 170 x 80 mm)	12 x 9.4 x 3.7 inches (305 x 238 x 94 mm)
Weight	6.2 lb (2.8 kg)	12.1 lb (5.5 kg)	6.2 lb (2.8 kg)	12.1 lb (5.5 kg)
Shipping dimensions	12.2 x 9.9 x 6.4 inches (309 x 252 x 162 mm)	13.7 x 11.7 x 6.8 inches (347 x 297 x 174 mm)	12.2 x 9.9 x 6.4 inches (309 x 252 x 162 mm)	13.7 x 11.7 x 6.8 inches (347 x 297 x 174 mm)
Mounting	Mount using four screws (max. 4 mm diameter)	Wall mount using four screws (max. 8 mm diameter). Mount options for 2 to 4.6 inch (50 to 115 mm) OD masts.	Mount using four screws (max. 4 mm diameter)	Wall mount using four screws (max. 8 mm diameter). Mount options for 2 to 4.6 inch (50 to 115 mm) OD masts.

Specifications:	782 10170
Temperature range	-20° to +55° C
Application	Indoor
Dimensions	19" rack mount, 2 height units 6.7 inch (170 mm) plug-in depth
Weight	8.2 lb (3.7 kg)
Shipping dimensions	24.1 x 12.3 x 8.8 inches (612 x 312 x 224 mm)
Mounting	Mount using four screws (max. 6 mm diameter)

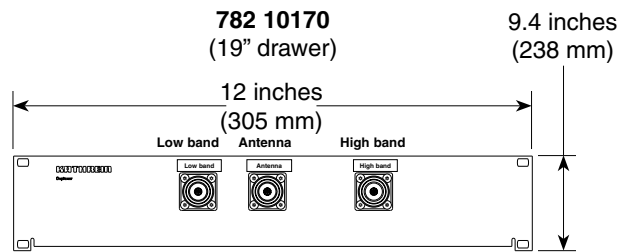
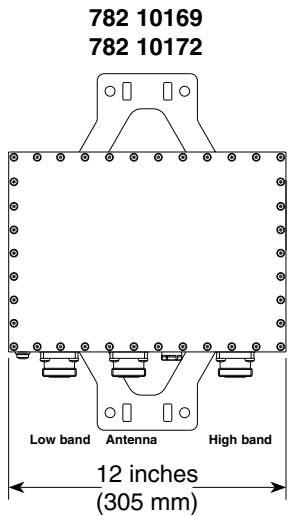
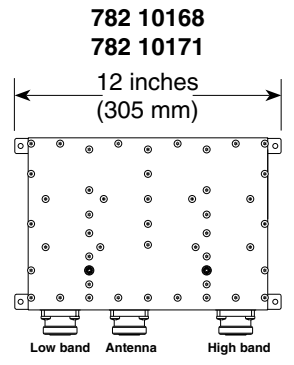
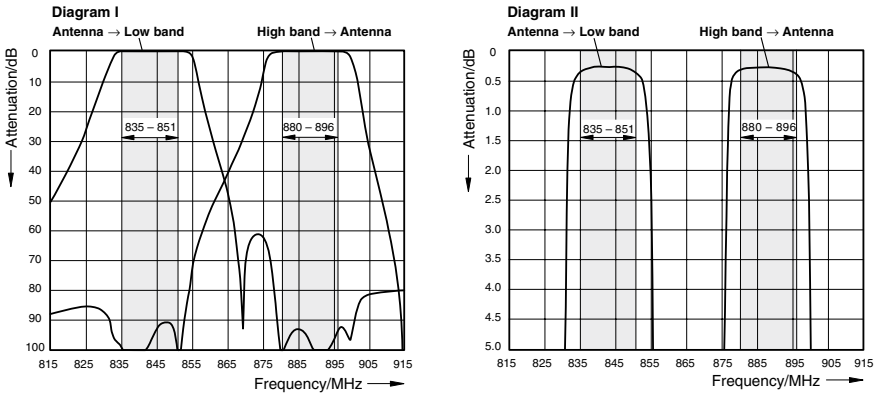


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Typical Attenuation Curves (782 10168, 782 10169, 782 10170)



Typical Attenuation Curves (782 10171, 782 10172)



Order Information:

Model	Description
782 10168	Indoor duplexer
782 10169	Outdoor duplexer
782 10170	Indoor duplexer (19" rack mount)
782 10171	Indoor duplexer
782 10172	Outdoor duplexer

Mounting Options:

Model	Description
2 x 131 1847	Mounting Kit for 2 to 5.7 inch (50 to 145 mm) OD mast.

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