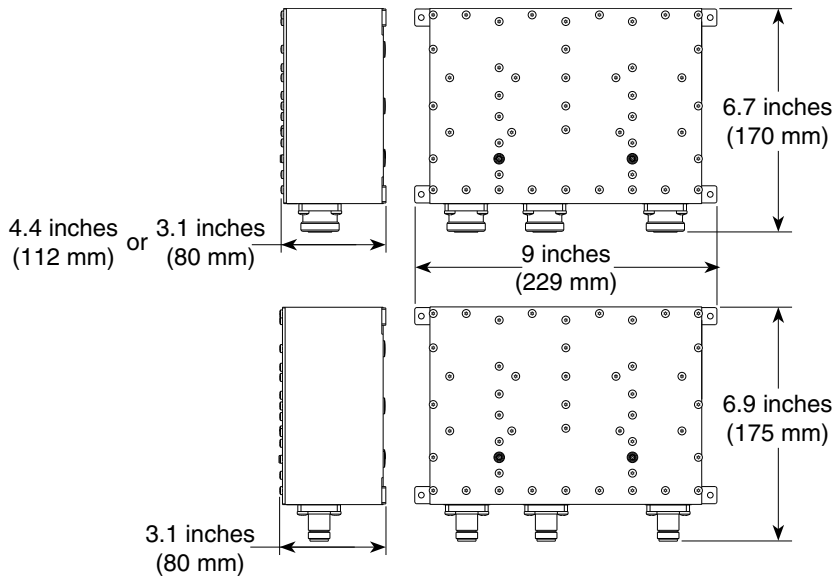


The duplexer is designed to combine/split AMPS Tx and Rx signals to/from one common Tx/Rx antenna in order to save feeder cable and antenna costs

Suitable for indoor use.

Built-in DC stop.



782 10215
782 10257
782 10265



782 10216

| Specifications: | 782 10215 | 782 10216 | 782 10257 | 782 10265 |
|-------------------------|---|--|---|---|
| Frequency range | | | | |
| Low band | 824–851 MHz | 824–851 MHz | 824–846.5 MHz | 824–846.5 MHz |
| High band | 869–896 MHz | 869–896 MHz | 869–891.5 MHz | 869–891.5 MHz |
| Impedance | 50 ohms | 50 ohms | 50 ohms | 50 ohms |
| VSWR | <1.25:1 | <1.25:1 | <1.25:1 | <1.25:1 |
| Insertion loss | | | | |
| Antenna→ Low band | <0.5 dB | <0.5 dB | <0.5 dB | <0.5 dB |
| High band→Antenna | <0.5 dB | <0.5 dB | <0.5 dB | <0.5 dB |
| Isolation | | | | |
| Low band↔High band | >65 dB | >65 dB | >70 dB | >70 dB |
| Maximum input power | <400 watts (high band) max. 16 carriers | <400 watts (high band) max. 16 carriers | <400 watts (high band) max. 16 carriers | <800 watts (high band) max. 32 carriers |
| Intermodulation (2x20w) | IM3: <-160 dBc | IM3: <-160 dBc | IM3: <-160 dBc | IM3: <-160 dBc |
| Temperature range | -20° to +55° C | -20° to +55° C | -20° to +55° C | -20° to +55° C |
| Connectors | 7/16 DIN female | N female | 7/16 DIN female | 7/16 DIN female |
| Application | Indoor | Indoor | Indoor | Indoor |
| Dimensions* | 9 x 6.7 x 3.1 inches (229 x 170 x 80 mm) | 9 x 6.9 x 3.1 inches (229 x 175 x 80 mm) | 9 x 6.7 x 3.1 inches (229 x 170 x 80 mm) | 9 x 6.7 x 4.4 inches (229 x 170 x 112 mm) |
| Weight | 5.7 lb (2.6 kg) | 5.7 lb (2.6 kg) | 5.7 lb (2.6 kg) | 6.6 lb (3 kg) |
| Shipping dimensions | 12.2 x 9.9 x 6.4 inches (309 x 252 x 162 mm) | 12.2 x 9.9 x 6.4 inches (309 x 252 x 162 mm) | 12.2 x 9.9 x 6.4 inches (309 x 252 x 162 mm) | 12.2 x 9.9 x 6.4 inches (309 x 252 x 162 mm) |
| Mounting | Mount using four screws (max. 4 mm diameter) | Mount using four screws (max. 4 mm diameter). | Mount using four screws (max. 4 mm diameter) | Mount using four screws (max. 4 mm diameter) |

*Includes connectors and mounting feet

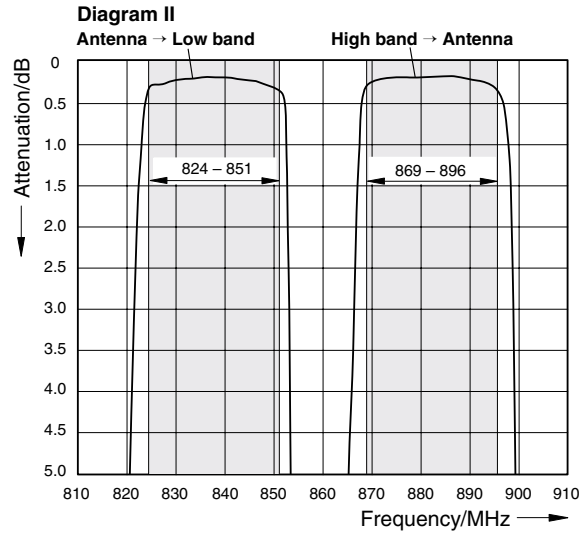
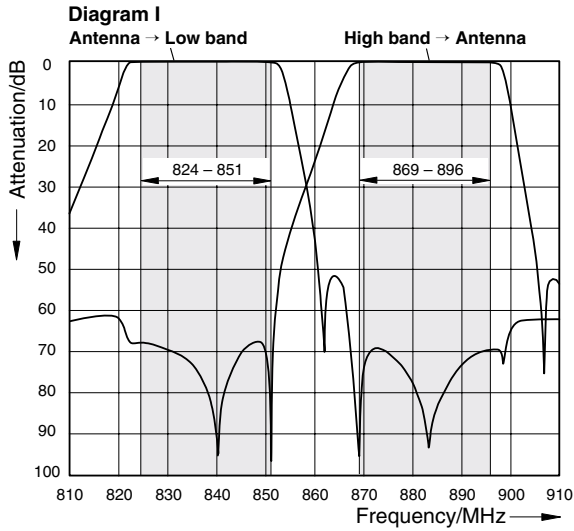
Order Information:

| Model | Description |
|-----------|-------------------------------------|
| 782 10215 | Indoor duplexer with DIN connectors |
| 782 10216 | Indoor duplexer with N connectors |
| 782 10257 | Indoor duplexer with DIN connectors |
| 782 10265 | Indoor duplexer with DIN connectors |

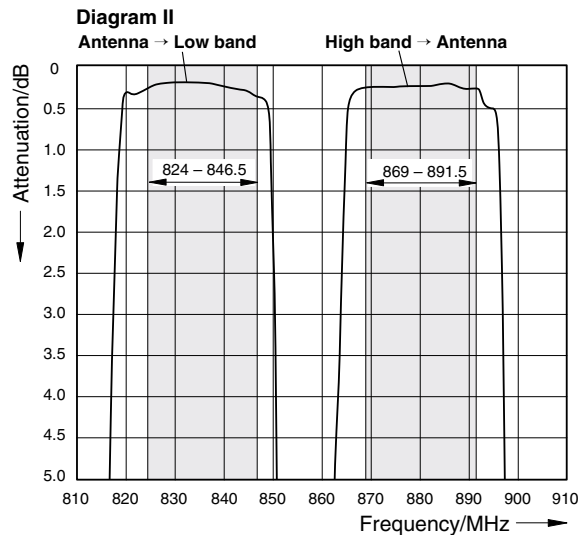
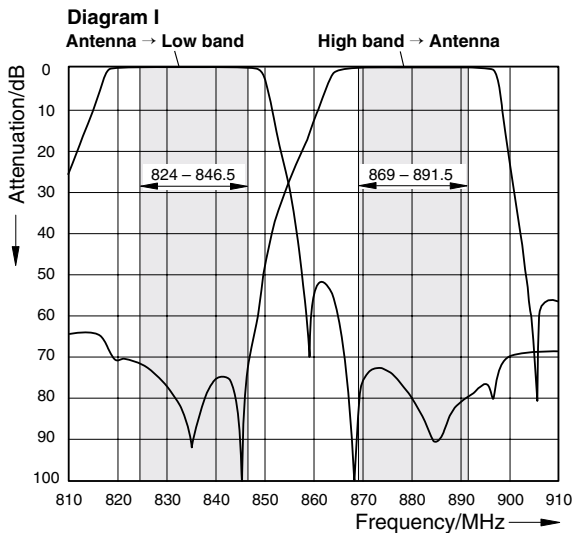


10865-A
936.2384/b

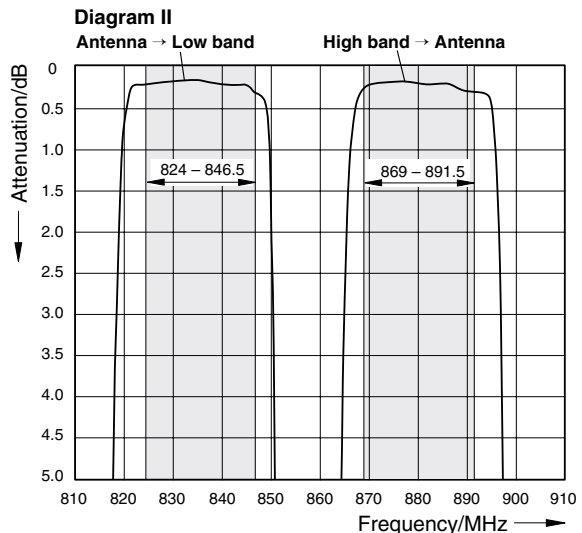
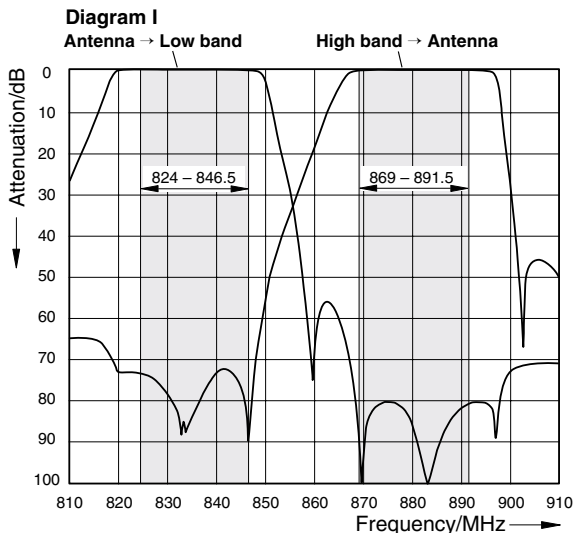
Typical Attenuation Curves (782 10215, 782 10216)



Typical Attenuation Curves (782 10257)



Typical Attenuation Curves (782 10265)



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