

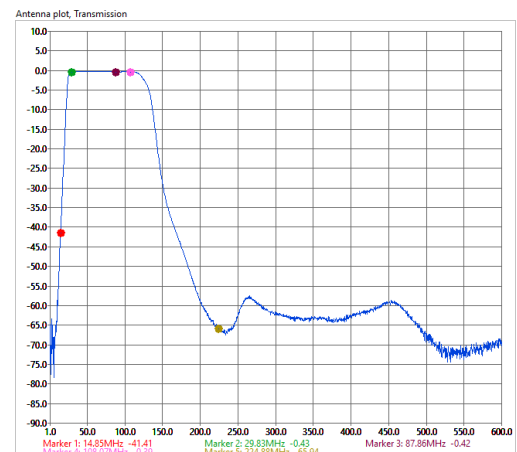


### Features

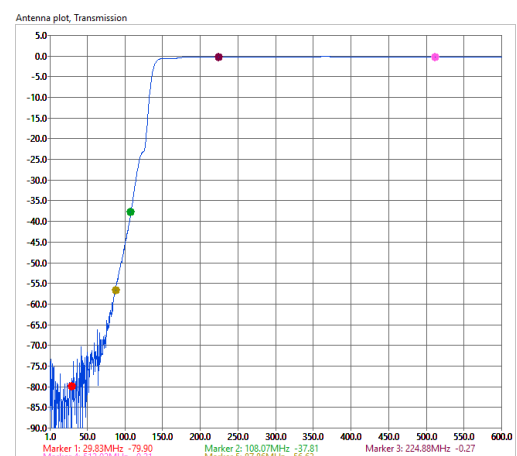
- Diplexer for combining two radios into one antenna
- VHF: 30-88 (108) MHz  
UHF: 225-600 MHz
- Low loss
- High isolation

### Electrical specification

Band	VHF	UHF
Frequency range	30-88 (108) MHz	225-600 MHz
VSWR	< 1.5:1	< 1.5:1
Nominal impedance	50 Ohm	50 Ohm
Power rating	75 W CW	75 W CW
Insertion loss	< 0.3 dB typ 0.5 dB max	< 0.3 dB typ 0.5 dB max
Isolation (VHF to UHF)	> -50 dB ( > -35 dB @ 108 MHz )	
Isolation (HF to VHF)	> -40 dB	
Connectors	3 x N Type Female	



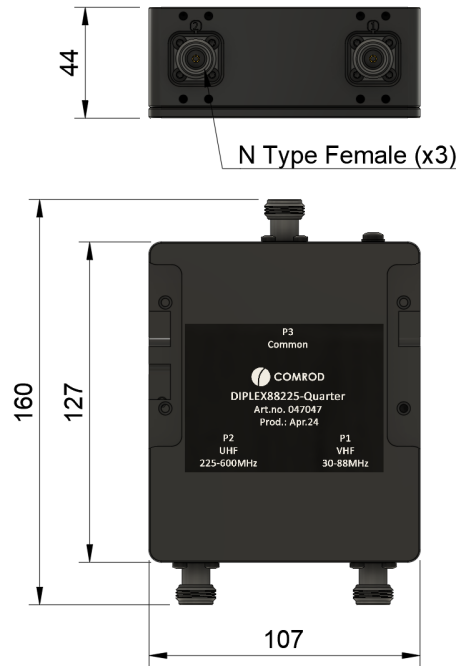
VHF 30-88 (108) MHz



UHF 225-600 MHz

## Mechanical specification

Design	Aluminum housing
Dimensions housing	127 x 107 x 44 mm 4.75 x 4.2 x 1.7 in
Dimension overall	160 x 107 x 44 mm 5.9 x 4.2 x 1.7 in
Weight	750 g (1.65 lbs)
Temperature range	-55°C to +71°C, -67°F to +160°F
Environmental	IP67 (mated)

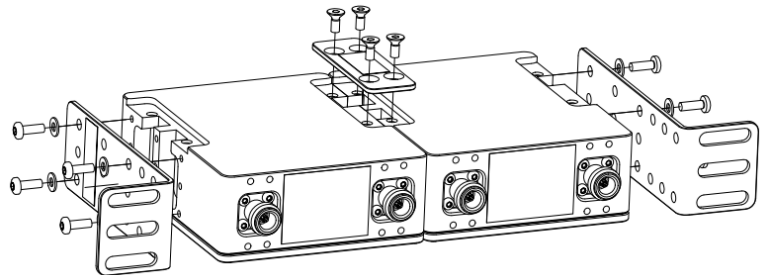


## Mounting Accessories

Comrod has a large range of mounting brackets for combiners, diplexers and triplexers. The standard enclosure is 1U tall x quarter 19" rack width (44mm tall x 107mm wide x 160mm deep). Units can be joined side-by-side to fit into a 19" rack as shown below. Extension brackets are available for mounting one, two, three or four units into a 19" rack.

### 19" Rack Mounting

2 x units with joining bracket and 19" rack mounting brackets for a 19/2 rack. Extension brackets can be supplied to fit a full 19" rack.



### Bulkhead Mounting

Combiner, diplexer or triplexer with bulkhead mounting brackets. Multiple units can be joined using the joining brackets and share the same bulkhead mounting brackets.

