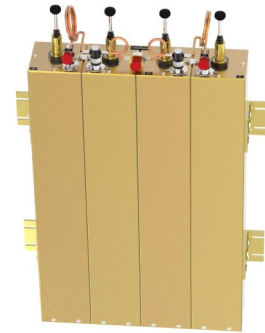


4" CAVITY DUPLEXER / 66-13-44 PRODUCT SPECIFICATIONS

The 4 cavity 4" base station duplexer is ideal for quick and easy installations. This filter is designed for combining two frequencies that need extra isolation or used as a pre-selector. Comprod provides 6-cavity configurations for higher isolation requirements. Selectivity can be determined by the field adjustable capacitors. Each cavity is temperature compensated for operation between -40° to +80°C, and manufactured with a gold alodine finish, silver-plated loops and plated tuning rods for superior performance.

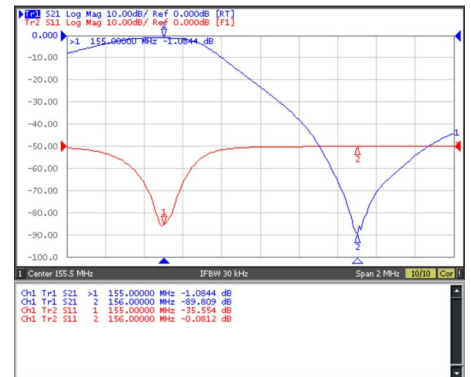
KEY FEATURES :

- > **Temperature Compensation :**
 - Assures frequency stability with extremely low drift
- > **High Attenuation :**
 - Minimizes desense and interference from adjacent systems
- > **Adjustable Loops**

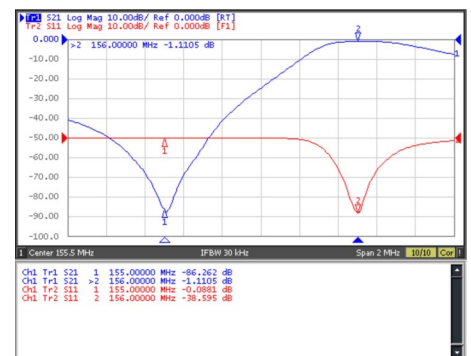


Specifications are for minimum Transmit to Receive separation

ELECTRICAL SPECIFICATIONS :	
Frequency Range, MHz	138-174
Frequency Spacing Min, MHz	0.5
Cavity Number	4
Cavity Size, in	4.0
Max. Continuous Power Input, Watts	350
Termination	N-Female
Insertion Loss, dB at a frequency separation of 0.5 MHz at a frequency separation of 3 MHz	1.5 0.8
Channel Isolation, dB at a frequency separation of 0.5 MHz at a frequency separation of 3 MHz	70 80
Max. Input VSWR (Ref. 50 Ohm)	1.3:1
Temperature Range	-40°C to +80°C
MECHANICAL SPECIFICATIONS :	
Height, in (mm)	34 (864)
Width, in (mm)	19 (483)
Depth, in (mm)	4 (102)
Weight, lb (kg)	29 (13.2)
Mounting Information (Vertical Mount)	19" Rack Mount (20 Rack Units)



Typical Low Pass Response Curve
(Attenuation, dB vs Frequency, MHz)



Typical High Pass Response Curve
(Attenuation, dB vs Frequency, MHz)