

6 CAVITY MOBILE DUPLEXER**VHF & UHF****6 Cavity Standard Version**

The Comprod Inc. line of mobile duplexers features compact size, low loss and temperature compensation over the range of -40°C to $+60^{\circ}\text{C}$. The use of extruded aluminum cavities and solid-shield copper-jacketed intercabling ensures excellent mechanical and electrical stability.

All units are adjustable in the field by qualified personnel and rated at 50 watts continuous duty with a maximum VSWR of 1.5: 1 over the entire tuning range.

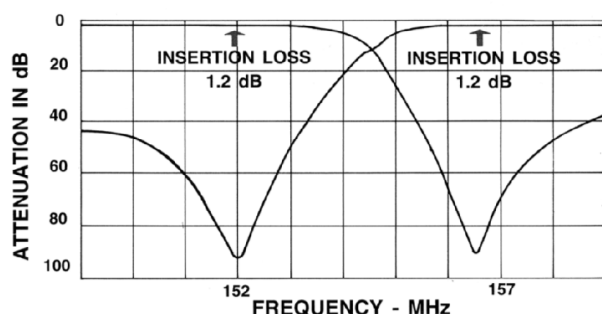
BNC connectors are standard. Variations on connectors and mountings are available by special order. For N female connectors, add suffix N to model number (Ex. 536-90N)



Electrical Specifications	536-90	506-90	
Frequency Range, MHz	144-155/150-165/160-174	406-435/430-470	
Frequency Spacing Min. MHz	4,5	5	10
Continuous Power Rating, Watts	50	50	50
Insertion Loss - dB: TX to Antenna	1.2	1.4	1.2
Insertion Loss - dB: RX to Antenna	1.2	1.4	1.2
Isolation-dB: TX noise suppression at RX frequency	80	75	80
Isolation-dB: TX isolation at TX frequency	80	75	80
Maximun VSWR , Ohms	1.5:1	1.5:1	
Impedance, Ohms	50	50	
Connector Type, Female	BNC	BNC	
Temperature $^{\circ}\text{C}$	-40 to +60	-40 to +60	

Mechanical Specifications	536-90	506-90	
Dimensions H x W x D, in.	1-1/4 X 6-3/16 X 7-5/8	1-1/4 X 6-3/16 X 7-5/8	
(mm)	(31.8 X 157 X 222)	(31.8 X 157 X 222)	
Weight, lbs (kg)	2.0 (0.9)	3.5 (1.7)	

536-90
Typical Response Curve at 4.5 MHz Spacing



506-90
Typical Response Curve ay 5 MHz Spacing

