

4 CAVITY MOBILE DUPLEXERS

VHF & UHF

4 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 inter-cabling ensures excellent mechanical and electrical stability.

All units are adjustable in the field by qualified personnel and rated at 50 Watts maximum 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. 534-90N).



Electrical Specifications	534-90	504-90	
Frequency Range, MHz	144-155/150-165/160-174	406-435/430-470	
Frequency Spacing Min. MHz	4.5	5.0	10.0
Continuous Power Rating, Watts	50	50	50
Insertion Loss - dB: TX to Antenna	0.8	1.2	0.8
Insertion Loss - dB: RX to Antenna	0.8	1.2	0.8
Isolation-dB: TX noise suppression at RX frequency	60	50	60
Isolation-dB: TX isolation at TX frequency	60	50	60
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	534-90	504-90	
Dimensions H x W x D, in. (mm)	1-1/4 x 4-1/8 x 7-5/8 (31.8 x 105 x 194)	1-1/4 x 4-1/8 x 8-3/4 (31.8 x 105 x 222)	
Weight, lbs (kg)	1.5 (0.7)	2 (0.9)	

