

546-90

Our line of 800 MHz mobile duplexers feature compact size, low loss and temperature compensation over the range of -22 °F to +140 °F. The use of extruded aluminum cavities and solid shield copper jacketed inter-cabling, assure excellent mechanical and electrical stability. All units are field tuneable 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 on special order.



Electrical Specifications	546-90
Frequency Range, MHz (in splits)	764-960
Frequency Spacing, MHz	45
Bandwidth, MHz	5
Number of Cavities	6
Continuous Power Rating, Watts	50
Termination	BNC-Female
Insertion Loss, dB	
Tx to Antenna	1.2
Rx to Antenna	1.2
Channel Isolation, dB	
Tx noise suppression at Rx	80
Rx isolation at Tx	80
Max. Input VSWR	1.5:1
Impedance, Ohms	50
Temperature, °C	-30 to +60
Mechanical Specifications	546-90
Height, in. (mm)	1.25 (31.8)
Width, in. (mm)	6.1875 (157)
Depth, in. (mm)	5.75 (146)
Weight, lbs. (kg)	1.5 (0.7)

FILTERS AND RF COMPONENTS



Order Information	546-90
764-806 MHz	546-90*1
806-896 MHz	546-90*2
896-960 MHz	546-90*3

Typical Response Curve at 45.0 MHz Spacing

