

PSEUDO BAND PASS DUPLEXER

CP66-FF-74

Comprod Pseudo Band Pass Duplexer filters are designed for quick and easy installations. These filters are designed for combining two frequencies that need extra isolation or used as great pre-selectors. If higher levels of isolation are needed, available in either 4 or 6 cavity configurations. Selectivity can be determined by the field adjustable capacitors. Each cavity is temperature compensated for operation between -40°C to +60°C. Each cavity has a gold alodine finish, silver plated loops, and plated tuning rods. Every cavity is equipped with a coarse and fine tuning rod for quick and easy field or lab re-tuning applications.

- **Temperature Compensation**
 - Assures Frequency Stability
- **High Attenuation**
 - Minimizes Decense and interference from adjacent systems
- **Adjustable Loops**
 - Each cavity has a calibration index for easy field tuning

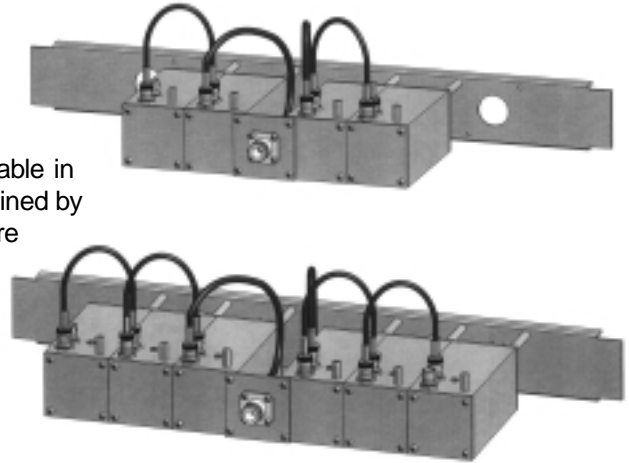


Electrical Specifications	66-13-74	66-40-74
Frequency Range, MHz	138-174	406-512
Frequency Spacing Min., MHz	0.5	1.5
Cavity Diameter, inches	6.625	6.625
Continuous Power Input, Watts	400	350
Connectors	N-Female	N-Female
Insertion Loss, dB	1.5	1.5
Channel Isolation, @ Min. Separation dB	85	90
VSWR	1.22:1	1.22:1
Temperature	-40°C to +60°C	-40°C to +60°C
Mechanical Specifications		
Maximum length, inches	34H x 19W x 16.5D	18.5H x 19W x 16.5D
Weight, lbs (kg)	44 (20)	32 (15.2)

2-INCH CAVITY DUPLEXERS

CP66-FF-2P Series 2" Cavity Duplexers

Comprod 2" base station duplexers are ideal for quick and easy installations. These filters are designed for combining two frequencies that need extra isolation or used as great pre-selectors. If higher levels of isolation are needed, available in either 4 or 6 cavity configurations. Selectivity can be determined by the field adjustable capacitors. Each cavity is temperature compensated for operation between -40°C to +60°C. Each cavity has a gold alodine finish, silver plated loops, and plated tuning rods.



- **Temperature Compensation**
 - Assures Frequency Stability
- **High Attenuation**
 - Minimizes Decense and interference from adjacent systems

Electrical Specifications	66-13-24	66-14-24	66-13-26	66-14-26
Frequency Range, MHz	132-150	144-174	132-150	144-174
Frequency Spacing, Min., MHz	4.5	4.5	3.0	3.0
Cavity Number	4	4	6	6
Cavity Diameter, inches	2.0	2.0	2.0	2.0
Continuous Power Input, Watts	100	100	100	100
Connectors	BNC	BNC	BNC	BNC
Insertion Loss, dB	1.5	1.5	1.5	1.5
Channel Isolation, dB	70	70	80/90	80/90
VSWR	1.3:1		1.3:1	
Temperature	-40°C to +80°C		-40°C to +80°C	
Mechanical Specifications				
Maximum length, inches	5.25H x 19W x 7.25D		5.25H x 19W x 7.25D	
Mounting	19" Rack Mount			

** These duplexers are available in other frequencies and configurations. Please call our technical support for additional models.

4-INCH CAVITY DUPLEXERS

CP66-FF-44 Series (4) 4" Cavity Duplexers

Comprod 4" base station duplexers are ideal for quick and easy installations. These filters are designed for combining two frequencies or used as a pre-selector while using our 6 cavity configurations. If higher levels of isolation are needed, consider at our 6-cavity configurations. Selectivity can be determined by the field adjustable capacitors. Each cavity is temperature compensated for operation between -40°C to +60°C. Each cavity has a gold alodine finish, silver plated loops, and plated tuning rods.

- **Temperature Compensation**
 - Assures Frequency Stability
- **High Attenuation**
 - Minimizes Decense and interference from adjacent systems



Electrical Specifications	66-13-44	66-40-44	66-80-44
Frequency Range, MHz	138-174	406-512	746-960
Frequency Spacing Min., MHz	0.5	5	45
Cavity Diameter	(4) - 4" Square	(4) - 4" Square	(4) - 4" Square
Continuous Power Input, Watts	350	125	100
Connectors	N-Female	N-Female	N-Female
Insertion Loss, dB	1.5	0.8	0.8
Channel Isolation @ Min. Sep., dB	70	75	90
VSWR	1.22:1	1.22:1	1.22:1
Temperature	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C
Mechanical Specifications			
Maximum length, inches	31H x 19W x 4D	4H x 19W x 16.5D	4H x 19W x 14D
Weight, lbs (kg)	30 (13.6)	18 (8.2)	16 (7.3)
Mounting	19" Rack Mount	19" Rack Mount	19" Rack Mount

Order Information	Wall Mount	4 Cavities	6 Cavities	8 Cavities
66-13-44	66-13-44WM	66-13-44	66-13-46	66-13-48
66-40-44	66-40-44WM	66-40-44	66-40-46	66-40-48
66-80-44	66-80-44WM	66-80-44	66-80-46	66-80-48

4-INCH CAVITY DUPLEXERS

CP66-FF-46 Series (6) 4" Cavity Duplexers

These Comprod (6) 4" base station duplexers are ideal for quick and easy installations. These filters are designed for combining two frequencies that need extra isolation or used as a great pre-selectors. If higher levels of isolation are needed, please take a look at our 8-cavity configurations. Selectivity can be determined by the field adjustable capacitors. Each cavity is temperature compensated for operation between -40°C to +60°C. Each cavity has a gold alodine finish, silver plated loops, and plated tuning rods.



- **Temperature Compensation**
 - Assures Frequency Stability
- **High Attenuation**
 - Minimizes Decense and interference from adjacent systems

Electrical Specifications	66-13-46	66-40-46	66-80-46
Frequency Range, MHz	138-174	406-512	746-960
Frequency Spacing Min., MHz	0.5	5	3.6
Cavity Diameter	(6)- 4" Square	(6)- 4" Square	(6)- 4" Square
Continuous Power Input, Watts	350	125	100
Connectors	N-Female	N-Female	N-Female
Insertion Loss, dB	1.5	1.2	1.2
Channel Isolation @ Min. Sep., dB	85	85	85
VSWR	1.22:1	1.22:1	1.22:1
Temperature	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C
Mechanical Specifications			
Maximum length, inches	31H x 19W x 8D	8H x 19W x 16.5D	8H x 19W x 16.5D
Weight, lbs (kg)	45 (20.25)	27 (12.15)	24 (10.8)
Mounting	19" Rack Mount	19" Rack Mount	19" Rack Mount

Order Information	Wall Mount	4 Cavities	6 Cavities	8 Cavities
66-13-46	66-13-46WM	66-13-44	66-13-46	66-13-48
66-40-46	66-40-46WM	66-40-44	66-40-46	66-40-48
66-80-46	66-80-46WM	66-80-44	66-80-46	66-80-48