COMBLINE FILTERS / PRESELECTORS 30-960MHz

57-FF-XX Series

Comprod Inc. Combline filters are designed for minimizing interference from adjacent channels and outside systems. They are available in a wide range of bandwiths and frequency splits. Used in front of a wideband receiver multicoupler, the preselectors narrow the passband to the desired bandwidth. Each filter is temperature compensated for operation between -40ºC to +60ºC. Each filter has silver plated loops, and silver plated tuning rods. Comprod Inc. preselectors are available in a wide range of frequency splits, bandwidth and cavity sizes.

Temperature Compensation
- Ensures Frequency Stability

High Attenuation
- Minimizes desense and interference from adjacent systems

Several other preselectors are also available. They include comblines and our full line of cavity based preselectors. Sizes range from the very compact 1" helical filter to the very selective 6.625" cavity preselector. Please contact a Comprod Inc. Technical support technician for consultation.

Electrical Specifications	57-45-04	57-80-05	57-80-07	57-80-15	57-80-18
Frequency Range, MHz	450-470	766-960	766-960	766-960	766-960
Type	Combline	Combline	Combline	Combline	Combline
Insertion Loss Bandwidth, dB	3	1.5	1.5	0.8	0.8
Pass Bandwidth, MHz	4.0	5.0	7.0	15.0	18.0
Return Loss, dB (VSWR)	20 (1.22)	20 (1.22)	20 (1.22)	20 (1.22)	20 (1.22)
Typical Selectivity, dB @ MHz	38 @ 5	80 @ 45	80 @ 45	70 @ 45	70 @ 45
Temperature Range, ºC	-30 to +60	-30 to +60	-30 to +60	-30 to +60	-30 to +60
Input Power, Watt	Rx Only	Rx Only	Rx Only	Rx Only	Rx Only
Connectors, Antenna/Output	N-F/N-F	N-F/N-F	N-F/N-F	N-F/N-F	N-F/N-F

Mechanical Specifications	Model 1	Model 2	Model 3	Model 4	Model 5
Finish	Black	Black and gold alodine			
Dimensions H x W x D, in (mm)	5.25 x 19 x 4.5	3.5 x 19 x 6	3.5 x 19 x 6	3.5 x 19 x 6	3.5 x 19 x 6
	(133 x 686 x 114)	(89 x 483 x 152)	(89 x 483 x 152)	(89 x 483 x 152)	(89 x 483 x 152)

Order information: specify working frequency, bandwidth, power and isolation required.