

## COMBLINE FILTERS / PRESELECTORS

30-960MHz

## 57-FF-XX Series

Comprod Inc. Comblime filters are designed for minimizing interference from adjacent channels and outside systems. They are available in a wide range of bandwidths 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 -40°C to +60°C. 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 combline 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                          | Comblime   | Comblime   | Comblime   | Comblime   | Comblime   |
| 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, °C         | -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.