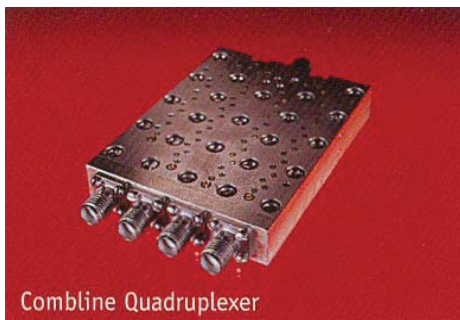


# Narrow Band Series

*Triplexer • Quadruplexer • Cavity Quadruplexer • Multi Design Triplexer*

## Multiplexers



Comblane Quadruplexer



Multi Design Triplexer



Comblane Triplexer



Cavity Quadruplexer

### Stable and Precise Crossover Frequencies

### Narrow Crossover Regions

### Ultra Small Size

### Extended Stopband Performance

**DESCRIPTION** The Microphase Narrow Band Multiplexers come with a wide range of capabilities and options. These multiplexers have a passband frequency range from 1 to 26 GHz, 2 to 6 channels, channel bandwidths of up to one octave and rejection levels to 90 dB. These multiplexers maintain insertion loss as low as 0.5 dB, VSWR from 1.2:1 to 2.0:1 with a contiguous crossover region of  $\pm 2\%$  and crossover accuracy of  $\pm 0.5\%$ .

**ADVANTAGES** The Microphase designed and engineered Narrow Band Multiplexers have stable and precise crossover frequencies with narrow crossover regions, ultra small size and extended stopband performance. Other important advantages are their sharp selectivity, low insertion loss and VSWR, with the capability of contiguous or non-contiguous crossovers. You get excellent electrical performance, mechanical reliability and environmental stability. These compact units can be adapted for custom specifications. Lightweight and very rugged, all of our products are 100% tested and readily available.

#### SPECIFICATIONS

|                             |                     |
|-----------------------------|---------------------|
| Passband Frequency Range    | 1 to 26 GHz         |
| Number of Channels          | 2 to 6              |
| Channel Bandwidths          | Up to one octave    |
| Rejection Levels            | to 90 dB            |
| VSWR                        | from 1.2:1 to 2.0:1 |
| Insertion Loss              | as low as 0.50 dB   |
| Contiguous Crossover Region | $\pm 2\%$           |
| Crossover Accuracy          | $\pm 0.5\%$         |

*These units can be designed to your specification. Please contact Microphase for your special design requirements.*