

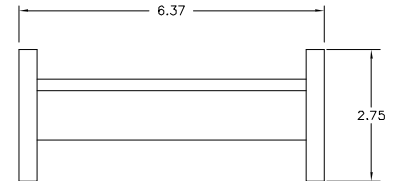
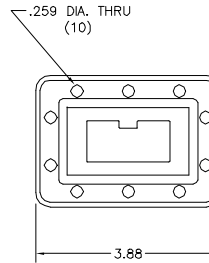


# C-Band Transmit Reject Filter

## 12086 Series

These filters offer extremely low loss, typically less than 0.04 dB on receive signals while providing a high degree of transmit rejection ranging from 50 to 80 dB, depending upon the model. Alternate flange configurations are available upon request.

### Series 12086



#### Specifications:

| <b>Model</b>     | <b>12086-1</b>                              | <b>12086XR-1</b> | <b>12086-2</b> | <b>12086XR-2</b> | <b>12086-3</b> | <b>12086XR-3</b> |
|------------------|---------------------------------------------|------------------|----------------|------------------|----------------|------------------|
| Waveguide Size:  | WR-229                                      | WR-229           | WR-229         | WR-229           | WR-229         | WR-229           |
| Frequency (GHz): | 3.7 - 4.2                                   | 3.7 - 4.2        | 3.625 - 4.2    | 3.625 - 4.2      | 3.4 - 4.2      | 3.4 - 4.2        |
| Insertion Loss:  | 0.06 dB Typ                                 | 0.06 dB Typ      | 0.06 dB Typ    | 0.06 dB Typ      | 0.10 dB Max    | 0.10 dB Typ      |
| VSWR:            | 1.15:1 Max                                  | 1.25:1 Max       | 1.15:1 Max     | 1.25:1 Max       | 1.25:1 Typ     | 1.25:1 Max       |
| Reject (GHz):    | 5.925 - 6.425                               | 5.925 - 6.425    | 5.850 - 6.425  | 5.850 - 6.425    | 5.825 - 6.725  | 5.825 - 6.725    |
| Attenuation:     | 50 dB Min                                   | 80 dB Typ        | 70 dB Min      | 80 dB Typ        | 70 dB Typ      | 80 dB Typ        |
| Flanges:         | CPRG 229                                    |                  |                |                  |                |                  |
| Weight:          | 0.95 lbs (0.43Kg)                           |                  |                |                  |                |                  |
| Dimensions:      | 6.37" x 3.88" x 2.75" (162mm x 98mm x 70mm) |                  |                |                  |                |                  |
| Finish:          | Gloss White Lacquer                         |                  |                |                  |                |                  |

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