

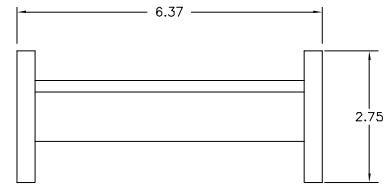
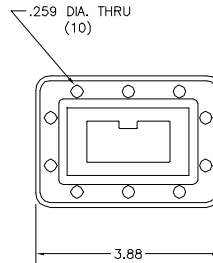
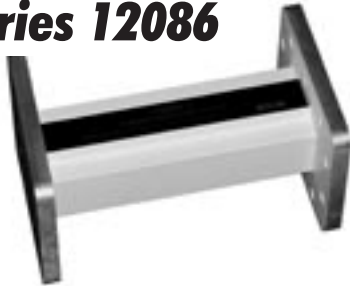


C-Band Transmit Reject Filter

12086 Series

The series 12086 is a family of transmit rejection filters specifically addressing the SATCOM (C-band) market. The device is installed between the antenna and the LNB in the receive segment of satellite earth terminals. It is also used in C-band transceiver applications to isolate up-link and down-link signals. The unit offers 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. All units come standard with CPRG229 flanges. Alternate configurations are available upon request.

Series 12086



Specifications:

| Model | <u>12086-1</u> | <u>12086XR-1</u> | <u>12086-2</u> | <u>12086XR-2</u> | <u>12086-3</u> | <u>12086XR-3</u> |
|-----------------------|---|------------------|----------------|------------------|----------------|------------------|
| 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 (Typ): | 0.06 dB (Max) | 0.10 dB (Max) | 0.06 dB (Max) | 0.06 dB (Max) | 0.10 dB Typ | 0.10 dB Typ |
| VSWR (Max): | 1.15:1 | 1.25:1 | 1.15:1 | 1.25:1 | 1.25:1 | 1.25:1 |
| 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 (Typ): | 50 dB | 80 dB | 70 dB | 80 dB | 70 dB | 80 dB |
| Weight: | 0.95 lbs (0.43Kg) | | | | | |
| Dimensions: | 6.37" x 3.88" x 2.75" (162mm x 98mm x 70mm) | | | | | |
| Finish: | Gray Lacquer | | | | | |

MICROWAVE FILTER CO., INC.
6743 KINNE STREET, E. SYRACUSE, NY 13057
E-Mail: mfcsales@microwavefilter.com

800-448-1666 • 315-438-4700
Web: www.microwavefilter.com