

# C band Transmit Reject Filters



FLT-MFC-12086 Series

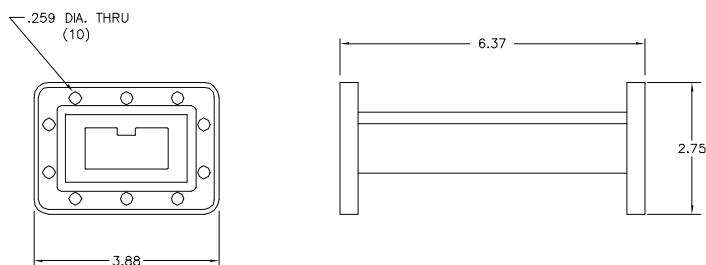


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The series 12086 is a family of transmit rejection filters specifically addressing the SATCOM (C-band) market. The device is installed between the antenna and the LNB in the receive segment of satellite earth terminals. It is also used in C-band transceiver 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.

## Specifications:

<b>Model</b>	<b><u>12086-1</u></b>	<b><u>12086XR-1</u></b>	<b><u>12086-2</u></b>	<b><u>12086XR-2</u></b>	<b><u>12086-3</u></b>	<b><u>12086XR-3</u></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 (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					



FLT-MFC-12086-Series\_REV002

Specifications are subject to change without notice

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