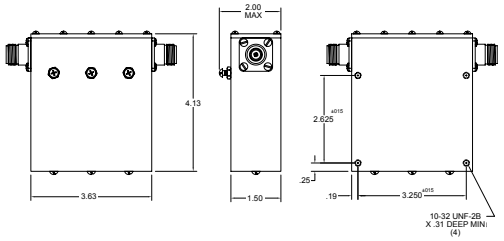
ISM (900 MHz) Interference Filters

MFC provides various filters for use in wireless broadband systems operating within the ISM band of (902-928) MHz.

These filters remove interference originating from services operating in nearby frequency bands (e.g. - paging systems & cellular phone providers).

15345



Model 15345 ISM Notch Filter

This notch filter is designed specifically to eliminate interference caused by high-powered paging systems operating at 930 MHz.

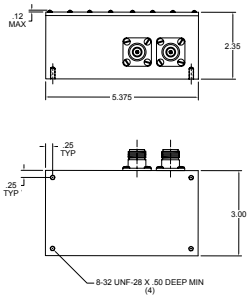
It is compact and sturdy and operates over a wide temperature range, making it ideal for installation in virtually any indoor or outdoor enclosed environment.

……..and for those unenclosed, outdoor applications we also offer a weatherized version – **Model 15345W**.

Specifications:

Notch Frequency:	930 MHz
Insertion Loss:	35 dB Min
Passband:	902.5-927.5 MHz (1 Watt Max)
Passband Loss:	1.0 dB Typ, 3 dB Typ at 927.5 MHz
Impedance:	50 Ohms
Connectors:	N Female
Temperature Range:	-20°C to +50° C

15035



Model 15035 ISM Bandpass Filter

This bandpass filter allows smooth operation within the (902-928) MHz ISM band by providing superior attenuation of other services operating above or below the ISM band (e.g. - cellular phone providers).

This filter's rugged, weatherized construction allows for use outdoors with or without an enclosure.

Specifications:

Center Frequency (F_O):	915 MHz
Insertion Loss at F_O:	1.5 dB Typ
3 dB Relative Bandwidth:	26 MHz Min
Rejection:	40 dB Min at 896 MHz
	40 dB Min at 935 MHz
	40 dB Min at 1830-3660 MHz (2nd - 4th Harmonics)
Impedance:	50 Ohms
Power Rating:	10 Watts (Max)
Connectors:	N Female
Operating Temp:	-40°C to +85° C

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