



Part Number : RCT0080

Part Name : EW Configurable Filter Module (EW CFM)

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DESCRIPTION:

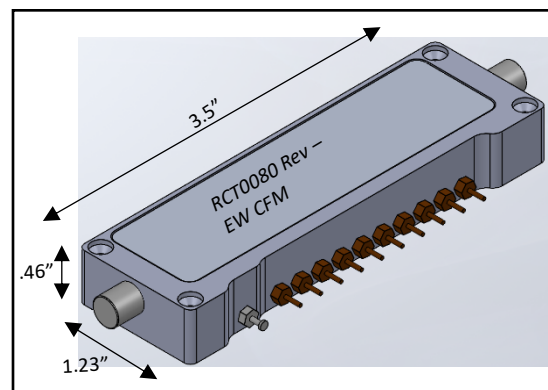
The EW CFM is a 2-18 GHz configurable filter.

Key Attributes:

- HPF only, LPF only, or BPF modes
- Selectable HPF rejection frequencies (all modes)
- Selectable LPF rejection frequencies (all modes)
- 90 dB wideband rejection achieved using 2 internally isolated filters
- Intermediate Amplifiers minimize loss & maintain dynamic range
- 15.5 dB Output Attenuator (0.5 dB steps) for amplitude control for each filter state
- 64 user-defined modes configured to customer filter and gain requirements

Possible applications include:

- LO switched filters
- Anti-aliasing prefilters
- EW tuner and digitizer preselection
- Filtering applications requiring a drop in module with reliable SMT MMIC design, small size, and high performance



TYP PERFORMANCE 25°C		UNITS
RF FREQUENCY	2 to 18	GHz
LOSS	0	dB
NOISE FIGURE	10	dBm
WB REJECTION	90	dBc
INPUT 1dB COMP	TBD	dBm
RETURN LOSS	TBD	
VOLTAGE	12/+5/-5	VDC
AMPERAGE	400/4.5/-6	mA

MAX RATINGS	MAX	UNITS
RF INPUT LEVEL	+20	dBm
OPERATING TEMP	-40 to +85	°C
STORAGE TEMP	-55 to +150	°C

