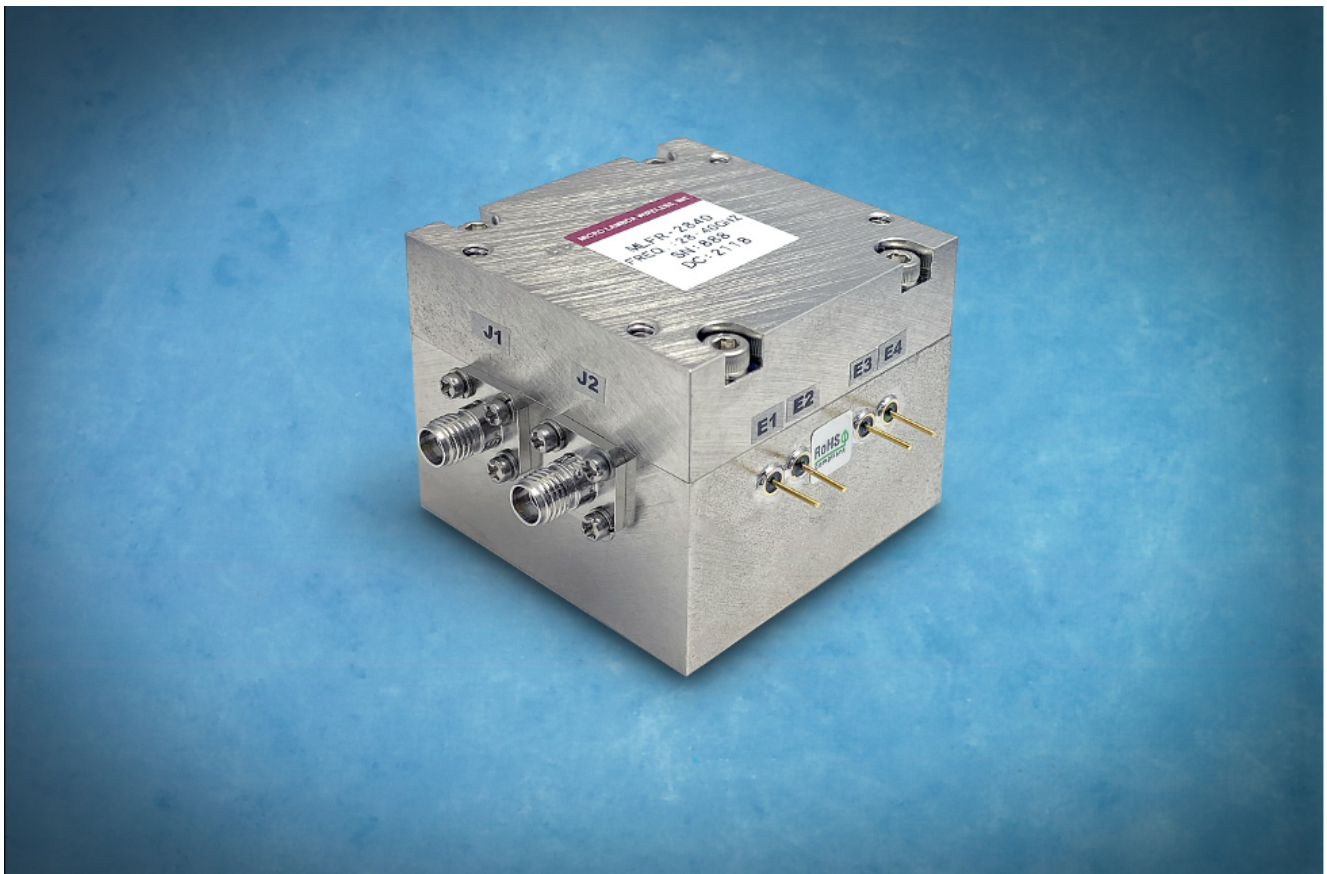


Micro Lambda Wireless Develops YIG-Based Notch Filters for EW and ECM

Micro Lambda Wireless, Inc. has developed a new Yttrium Iron Garnet based filter that provides superior notch depths over the 6 to 18 GHz and 6 to 20 GHz frequency range. This new filter provides a tunable notch of 80 MHz min. at 40 dBc down. The 3 dB bandwidth is 250 MHz max. with typical passband insertion loss of 2.2 dB.



The frequency of the filter is changed by changing the current across the tuning coil which has a sensitivity of 19 MHz /mA. They use an internal heater which operates off of either +28 Vdc or +/- 12 to +/- 14 Vdc. Surge current typically is 300 mA max and less than 100 mA steady state.

Over the temperature range of 0 C to +60 C the frequency drift

is 15 MHz while the linearity is +/- 5 MHz over the frequency range. Extended temperature models are available over the -40 to +85 C range. Units can also be ordered with Analog or Digital drivers.

Product Availability: 8-10 weeks.