

M2 Global designs and supplies integrated subassemblies called isofilters. These components consist of a filter or diplexer matched to an isolator or circulator.

Isolators and circulators are usually stand alone components. However, in an actual system, most M2 Global customers combine isolators with filters and other passive components. M2 Global approaches the integration of filters and isolators (or circulators) in a way that minimizes size mismatch and interconnect losses. Parts for the isolator/circulator and the filter/diplexer are machined to meet customer specifications, and assembled and tuned for optimal performance.

The following types of filters can be integrated in M2 Global's isofilters:

1. Waveguide filters for high-power and low-loss applications.
2. Stripline/Suspended/Microstrip filters for low-power and moderate-loss applications.
3. Cavity filters for high-Q and high selectivity applications.

