



Q Microwave Microstrip-Launched Filters

The ultimate choice for filter integration.

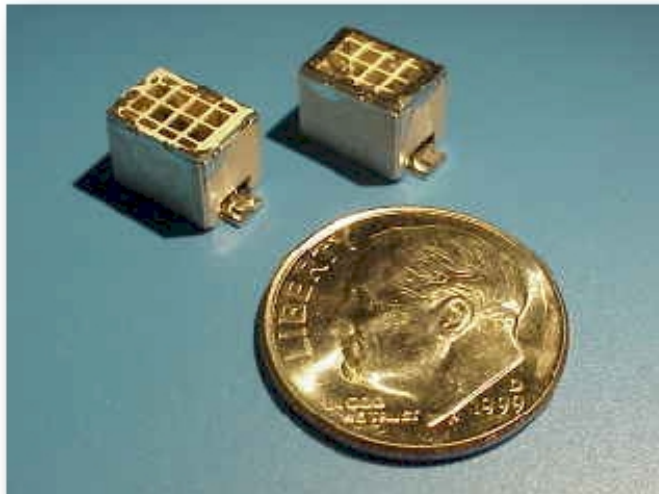
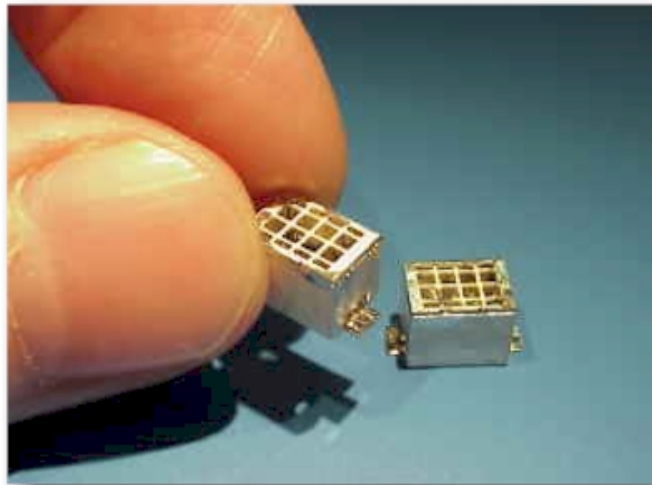
The Microstrip-Launched Filter Advantage

The streamlined packaging and interconnect technology offered by Q Microwave's Microstrip-Launched Filters make these devices *the ultimate choice for filter integration*.

Electrical Advantage. The Microstrip-Launched Filter offers a transition tailored to a specific application through any combination of launch-height adjustments, PWB cutouts, and interconnect method (gap weld, wire bond, or solder). Improved grounding is achieved through the epoxy or solder attachment of the filter body and transitions to the PWB. This optimized configuration provides significant electrical performance improvements, including:

- High-frequency (20 GHz), low-loss transitions
- Reduced ground loops
- High-isolation EMI shielding

Mechanical Advantage. The streamlined transition and packaging technology used by the Microstrip-Launched Filter requires approximately 1/3 of the real estate allocation required for traditional connectorized filters.



Manufacturing Advantage. Flexible designs and assembly technology allow the use of various combinations of attachment and interconnect processes. This provides maximum flexibility when incorporating Q Microwave's Microstrip-Launched Filters into microwave assemblies. The following options should be specified when ordering:

- Attachment – Epoxy or solder processes.
- Interconnection – Wire bond, gap weld or solder connect processes.
- High Temperature Capability – Designs capable of withstanding up to 235°C are available.