

Polarization-Preserving Waveguide Filter and Transformer

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DESCRIPTION

This technology is a pass microwave waveguide filter for input signal polarization preservation. The filter has multiple resonator sections which are located between an input and output waveguide sections. Multiple coupling sections are located on either side of each resonator sections. The resonator, input and output waveguide sections comprises four-fold symmetric quadruple ridge cross-sections and the coupling section comprises four-fold symmetric cross-section.

FEATURES AND BENEFITS

- The preservation of polarization of input signal is performed efficiently and an out-of-band rejection is improved by reducing spurious modes.

APPLICATIONS

- Chemical Industry
- Pharmaceuticals
- Food and Beverage Industry

FOR MORE INFORMATION

If you are interested in more information or want to pursue transfer of this technology, GSC-15055-1, please contact:

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