



## UPF10177 Planar Bandpass Filter

MtronPTI today introduced the UPF10177 Planar Bandpass Filter. MtronPTI is offering custom planar filter products from 1.5 GHz to 20 GHz targeted towards Electronic Warfare, Communications, SATCOM and Data Link applications.

UPF10177 is a 7 pole microstrip distributed interdigital filter with a center frequency at 6 GHz, excellent rejection characteristics, a low insertion loss of less than 2dB and power handling of 1W (maximum). UPF10177 employs a thin film process on a high dielectric low loss titanate substrate with a dielectric constant of greater than 30 in a 0.5 x 0.2 x 0.08 inch surface mount package. Planar technology expands MtronPTI's RF and Microwave product portfolio that supports both standard and custom products and solutions.

MtronPTI offers a broad line of precision crystal resonators, oscillators, filters, and Integrated Microwave Assembly solutions. MtronPTI is an ISO 9001:2015 and AS9100 Rev. D certified organization.



### Features:

Center frequency: 6 GHz

In band insertion loss: 2 dB Max

In band return loss: 14dB Min

Package: surface mount 0.5 x 0.2 x 0.08 inch

Operating temperature range: -45 °C to +85 °C

Power Handling: 1W Max

### Applications:

Electronic Warfare

Communications

Data Links

Satcom