

OCTF

OCTAVE SPECTRA TUNABLE FILTER



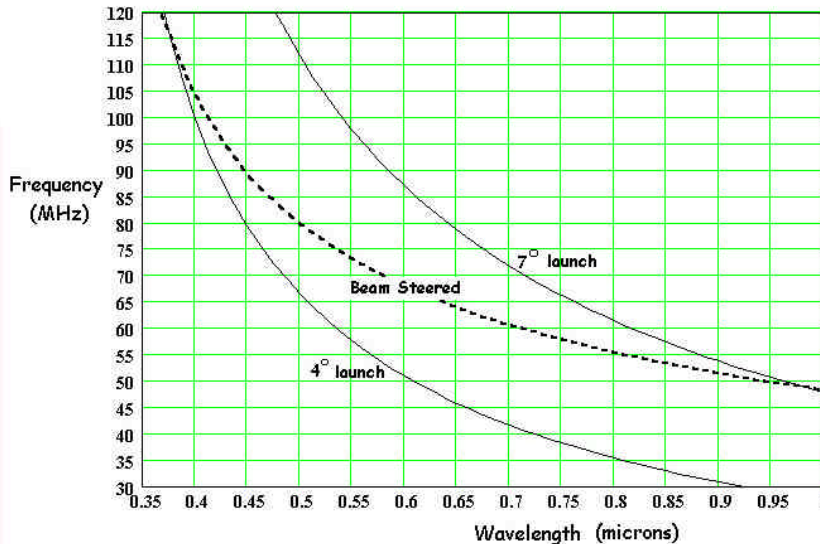
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The OCTF incorporates a technique* invented by Isomet to provide more than an octave AOTF spectral tuning range with less than an octave frequency variation. A 400nm -1000nm tuning range is achievable with one device.

Preliminary Specifications

Aperture:	5mm X 5mm
Interaction Material:	Tellurium dioxide (TeO ₂)
Wavelength Range:	400nm-1000nm (nominal)
Frequency Range:	45–110MHz (nominal)
Diffraction Efficiency:	>85%
RF Power:	<2 Watts
Bandwidth:	3.5nm @ 600nm
Incidence Angle:	Normal
Acceptance Angle:	4° @ 600nm
Input Polarization:	Linear, horizontal preferred
Separation Angle:	3.36° @ 600nm

Tuning Curve



*United States Patent No. 6.433.916B1

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
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