

D926-P145L-0.5

NIR Acousto-Optic Deflector



3421

The D926-P145 is a high speed deflector for sequential multi-beam or faster scan operation. The unit incorporates four section acoustic beam steering to produce a flat scan response. This deflector may be operated with up to nine watts CW optical power at 1.064 or 1.1 μ m.

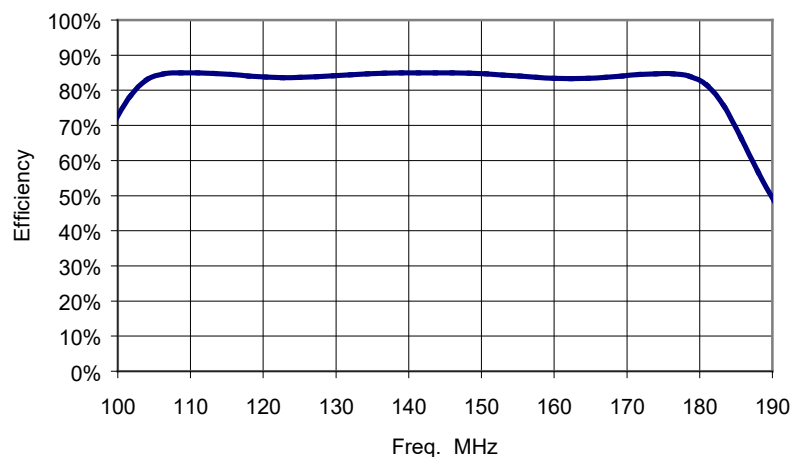
FEATURES

Flat Scan Response
 9 Watts Optical Input
 High Speed Deflection (7 μ Sec Scan Rate/Line)

SPECIFICATIONS

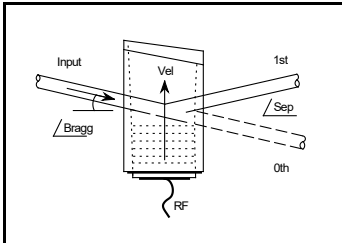
Operating Wavelength:	1.06 μ m / 1.1 μ m
Interaction Material	Lead Molybdate (PbMoO ₄)
Active Aperture:	0.525mmH x 3.0mmW
Access Time (max):	0.8 μ sec
Bragg Angle (1.1 μ m)	22 mrad
Scan Angle (1.1 μ m)	21 mrad
Optical Power:	9.0 Watts
Centre Frequency:	145MHz
RF Bandwidth:	>70MHz
% Diffraction Efficiency:	\geq 80.0%
RF Power:	\leq 4.0 Watts

TYPICAL DIFFRACTION EFFICIENCY VS. FREQUENCY (0.36mm Dia' Beam)



ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
 ISOMET CORP, 10342 Battlevue Parkway, Manassas, VA 20109, USA.
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Quality Assured.
 In-house: Crystal Growth,
 Optical Polishing,
 A/R coating, Vacuum Bonding



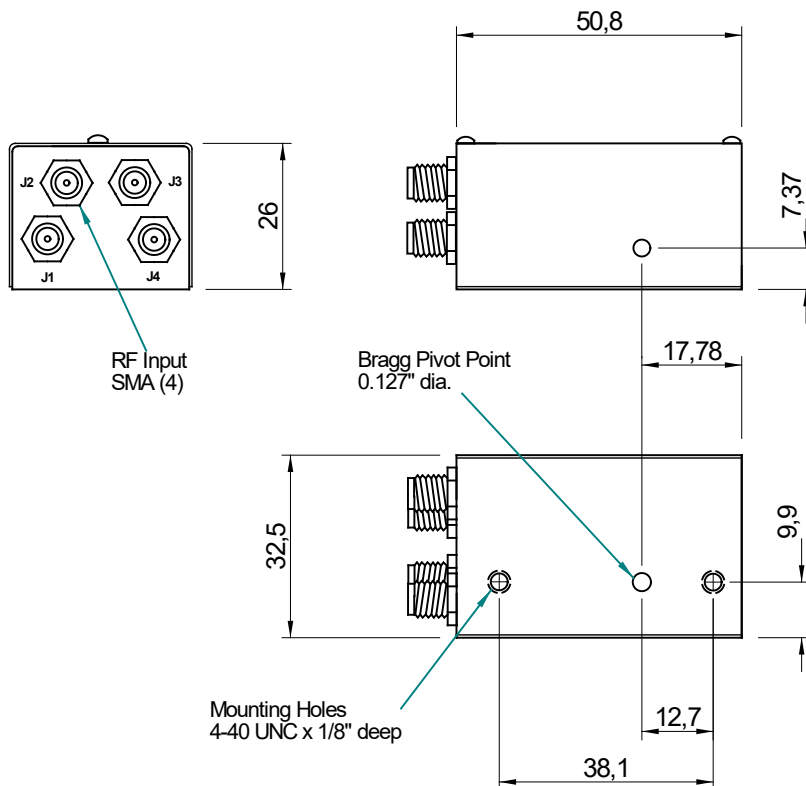
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OUTLINE DRAWING



Dim'n: mm except where marked

RF DRIVE ELECTRONICS

Quad output Synthesizer-Amplifier: iMS4-L (or -P) synthesizer plus AF0-150T-4 (4off) amplifiers

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