



NEOS TECHNOLOGIES

A Gooch & Housego Company

DEVICE SPECIFICATIONS

MODEL NUMBER:

33027-50-5-I-HGM-W

(PROTECTED UNDER US PATENT NUMBER 5,268,911)

DOCUMENT NUMBER: 56A12637D

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	Crystal Quartz
Acoustic Mode	Longitudinal
Operating Wavelength	1064 nm
Window Configuration	AR "V" Coated
Static Transmission	>99 %
Operating Frequency	27.12 MHz
Loss Modulation	>85 % With Linear Polarization Perpendicular to the Acoustic Propagation >70 % With Random Polarization
Acoustic Aperture Size	5 mm x 10 mm
Rise Time	115 nsec / mm Beam Diameter
Deflection Angle	5 mrad
RF Power Level	50 Watts
Impedance	50 Ohms
VSWR	1.2:1 @ 27.12 MHz
Package 33027-50-5-I-HGM-W	With water fittings 53B1059
Options: 33027-50-5-I-HGM	No water fittings 53B1290
33027-50-5-I-HGM-CMS	With water fittings and aperture cones 53B1186
Cooling:	Water Cooled @ 0.1GPM $\leq 30^{\circ}\text{C}$
Operating Manual:	Use Latest Revision. 51A12207
Acceptance Test Procedure:	42A12277
Acceptance Test Results form:	52A05625
Recommended Driver:	
Digital Driver System:	39027-50DS***
Digital Driver Module:	38027-50DM** or 39027-50DM***
Options:	** = PK, PKPW *** = PPK, FPS, A05, R05

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