



NEOS TECHNOLOGIES

A Gooch & Housego Company

DEVICE SPECIFICATIONS

MODEL NUMBER:

33027-70-7-I-HGM-W

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

DOCUMENT NUMBER: 56A14315B

<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 Acoustic Propagation > 70 % With Random Polarization
Acoustic Aperture Size	7 X 10 mm
Rise Time	115 ns / mm Beam Diameter
Deflection Angle	5 mrad
RF Power Level	70 Watts
Impedance	50 Ohms
VSWR	1.2:1 @ 27.12 MHz
Package: Water Cooled @ 0.1GPM <30°C	53B1059
Optional Package With Cones	53B1186
Operating Manual: Use Latest Revision.	51A12207
Acceptance Test Procedure:	42A12277
Acceptance Test Results form:	52A05625
Recommended Drivers:	
Digital Driver System: 39027-70DS***	
Digital Driver Module: 38027-70DM** or 39027-70DM***	
Options: ** = PK, PKPW *** = PPK, FPS, A05, R05	

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