

TECHNICAL DATA

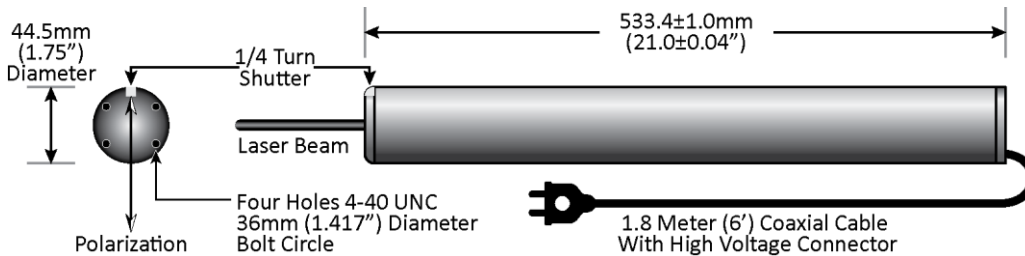
40136

CYLINDRICAL HELIUM-NEON LASER SYSTEM

Wavelength	1.15 μ m
Minimum Output Power	1.0 mW
Power 3 Seconds After Turn-On	> 75%
Polarization	Linear > 500:1
Mode Structure	TEM ₀₀ > 99%
Beam Diameter	1.09 mm
Beam Divergence	1.34 mrad
Longitudinal Mode Spacing	375 MHz
Beam Drift After 20 Minute Warm-Up	< 0.15 mrad
Long Term Beam Drift	< 0.02 mrad
Noise (30 Hz - 10 MHz)	< 5% rms
Starting Voltage	< 10 kVDC
Operating Voltage	2700 VDC
Series Resistors in Housing	94 K Ω
Operating Current	6.5 mA
Shock	15 g for 11 msec
Laser Head Weight	853 grams
Dimensions	
Length	533.4 \pm 1.0 mm (21.0 \pm 0.04")
Diameter	44.5 \pm 0.5 mm (1.75 \pm 0.02")
Maximum Output Power	2.0 mW
CRDH/CE Classification	IIIb/3B
Recommended Power Supply	39785
Replacement Laser Head	30684

ENVIRONMENTAL SPECIFICATIONS

Temperature	<u>Operating</u> -20 - +70° C	<u>Non-Operating</u> -40 - +80° C
Humidity	\leq 80%	\leq 95%
Altitude	0-3,000 meters	0-6,000 meters



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