

OPTICAL SPECIFICATIONS, MODEL 70 O.E.M. LASER

Wavelength 1.064 microns (1064 nm)
Energy 68 millijoules (typical), 50 millijoules (minimum) Per Pulse
Pulse Duration ... 10 nanoSeconds (Maximum, Q-Switched)
Beam Waist 5 mm
Beam Diameter ... 5.6 mm
Divergence Normal is 3.4 milliradians (optional 2.1 milliradians)
Rep Rate 0.1 PPM (Intermittent duty or Single Shot)
LASER Linewidth < 2 nm

PHYSICAL SPECIFICATIONS, MODEL 70 O.E.M. LASER

Length x Width x Height 19" x 10" x 6.0" (Power Supply System Unit)
Length x Width x Length 10" x 3.5" x 3.5" (LASER Head)
Weight 20 lbs. (Power Supply)
Weight 12 lbs. (LASER Head)
Cable Length 12" to 4 feet, (user specified)
Controls Key Control, Power Switch, External Trigger Input, Emission Indicator,
Power Indicator, Interlocks, Remote Trigger Assembly (Remote Trigger Control)
Input 110 or 220 VAC, 60 Hz (Must Specify with Purchase)
If 220 Vac, a Step-Down Transformer is supplied
Output 345-425 VDC (Energy Storage)
Trigger Output 10 - 12.4 KiloVolts (Pulsed)
Trigger Control Can be CMOS or TTL (1 - 2 UL)
Emission Delay Sequencer is Available Upon Special ORDER, (not Included)

