

LASER MOTOR IGNITER

Laser Motor Igniters perform the same roles as conventional motor igniters although they use an alternate activation method – infrared laser light. Laser initiated devices offer unique characteristics over electrically ignited devices. They are ESD, RF and EMI/EMP immune which can be advantageous in certain design applications. They also generally present a system weight reduction for cabling because the fiber optic lines weigh less than typical copper lines and energetic transfer lines. We have qualified designs which utilize 100, 200 and 400 micron fiber optic cable assemblies. Any of the current designs can be adapted to other specified fiber optic systems.

Reliability and safety have been demonstrated on these designs as attested by the approval of range safety and man rated system uses.



APPLICABLE SPECIFICATIONS

- All-Fire: 250 milliwatt / 5 millisecond
- Function Time: < 5 milliseconds
- Wavelength: -90 °F to +220 °F
- Operating Temperature: .15 to 2.50 inches typical
- Output (20cc bomb): 100 – 1,700 lbs. force typical

