Assemblies are complete containing safety logic, high voltage generation, EFI, TBI and output charge.

High voltage EFIs are inherently much safer than low voltage hotwire devices.

EFI is qualified to MIL-DTL-23659F, Appendix A.

- Meets energetic materials requirements of MIL-STD-1901 & MIL-STD-1316 for in-line high voltage devices, (HNS IV, CH-6 & BKN03)
- The EFI contains no primary explosives. There is no ZPP, lead azide or lead styphnate in these devices.

Applications include:

- Solid Rocket Motor Ignition.
- Pressure cartridge applications requiring high pressure/high temperature seal provided by a solid metal bulkhead in the TBI.
- Also available in fully redundant, dual fireset/EFI/TBI configurations.

Export Status: ITAR IV(6)
Thread size: 9/16-24, (larger sizes available)
Mating port & O-ring: Recommend port/boss dimensions & O-ring per SAE J1926-1
Electrical connector options: 9 pin Micro D (triple start, 38999 type connector also available)
Construction: Welded hermetic: 304L stainless housing, glass to metal seals, stainless closure
Hermetic seal: 1.0 x 10^-6 atm cc/sec air
Operating temperature: -40°C to +71°C
Storage temperature: -65°C to +85°C
Thermal Shock/Humidity: MIL-STD-331, Test C1, Two Chamber Method, 28 days, -54°C to +71°C
Random Vibration: MIL-STD-220, 0.5ms duration, ½ sine, 2000g, 18 shocks
Mechanical Shock: MIL-STD-331, Test B3, using the level of Table B3-1 for general fuzes
ESD: Safe for 25KV human body model exposure with ESD cap installed
Peak Pressure: 850 psi in 10cc volume (other pressure outputs available)
Post fire pressure capability: >22,000 psi. after passing >10^8 atm cc/sec He
Storage Life: 10 years

Teledyne Energetics 19735 Dearborn St. Chatsworth, CA 91311 818-718-6646

Revision 18 April 2018