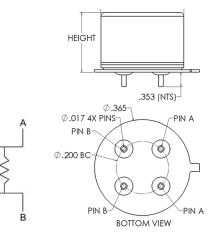


TE-98 Series LEEFI (EFI) Detonator

- LEEFI = Low Energy Exploding Foil Initiator (EFI)
- Packaged in a convenient TO-5 can with orientation tab.
- Inherently safer than hotwire detonators.
- Qualified to MIL-DTL-23659, Appendix A.
- Meets energetic materials requirements of MIL-STD-1901 & MIL-STD-1316 for in-line high-voltage devices, using only listed/approved explosives (HNS IV & PBXN-5).
- It contains <u>no primary explosives</u>. *There is no ZPP, lead azide, lead styphnate or PETN in these devices.*
- Applications include:
 - $\circ~$ Initiate TBIs and ETL devices.
 - Activate FTS, ESAD and other systems.
 - Initiate booster charges
 - $\circ\;$ Activate pin pullers, pushers, pyro valves and other ordnance devices
- High production quantity capable. Designed for automated assembly.
- Suitable for foreign sales with proper export license.
- Proven performance with Teledyne TBIs.





| Part No. | Body Dia. | Body | Dent Depth | Energetics | Applications |
|--------------|-----------|-------------|------------|-----------------|---|
| | (in) | Height (in) | (in) | | |
| 10003000-501 | .308318 | .308328 | .032 +/008 | HNS IV & PBXN-5 | Initiating boosters, larger charges, etc. |
| 10003000-503 | .308318 | .220250 | .005 +/003 | HNS IV | Initiating TBIs, ETLs, etc. |
| 10003000-505 | .308318 | .308328 | N/A | INERT | INERT Device |
| 10003000-507 | .308318 | .308328 | .032 +/008 | HNS IV & PBXN-5 | Same as -501 except non hermetic seal |

| Export Status | s Dept. of Commerce 1A007.b.4 | | | |
|------------------------|---|--|--|--|
| Construction | TO-5 can, hermetic, laser welded, glass sealed header, gold plated Kovar pins | | | |
| Hermetic seal | 1.0×10^{-6} atm-cc/sec Air | | | |
| Environmental | Per MIL-DTL-23659 | | | |
| Temperature | -66°C to +85°C | | | |
| Thermal shock/humidity | MIL-STD-331, Test C1, Two chamber method, 28 days, -54°C to +71°C | | | |
| Mechanical Shock | MIL-STD-202, 0.5 ms duration, ½ sine, 2000G minimum | | | |
| Vibration | MIL-STD-331, Test B3, using the level of Table B3-1 for general fuzes | | | |
| Drop | Safe after 1.5 meter drop | | | |
| ESD | 25kV, 500pf, 500 ohm, pin-pin (no damage to detonator) | | | |
| Fireset Requirements | Contact TE | | | |
| Reliability | >99.9% @ 95% confidence level | | | |
| Storage Life | 10 years | | | |
| Bridge Resistance | 125 milli-Ohms maximum, measured from both A pins to both B pins | | | |

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