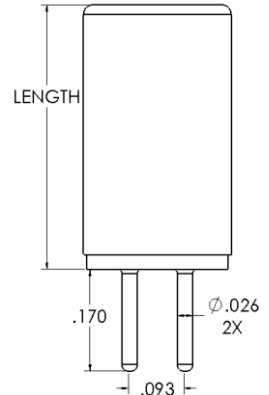


- 2nd generation EFI based on Teledyne’s successful 4 pin, RP-98 (TO-5), MIL-DTL-23659 qualified design (uses same bridge, flyer and barrel).
- Designed for a wide variety of applications including gun and tube launch munitions.
- Low energy design results in small firesets.
- Low cost designs in a small 2 pin package. They are approximately half the volume of the equivalent Teledyne RP-98 (TO-5) LEEFI.
- MIL-STD-1316 compliant for in-line use. Inherently safer than hotwire detonators.
- Designed to meet the requirements of MIL-DTL-23659F, Appendix A.
- Meets energetic materials requirements of MIL-STD-1901 & MIL-STD-1316, using only listed/approved secondary explosives (HNS IV & PBXN-5).
- Insensitive Munitions (IM) compliant.
- They are environmentally green, they do not contain any lead compounds.
- They contain no primary explosives. *There is no ZPP, lead azide, lead styphnate or PETN in these devices.*
- Applications include:
 - Initiate booster charges
 - Initiate TBIs and ETL, FTS, ESAD, ISD and other devices.
 - Activate pin pullers, pushers, pyro valves and other ordnance devices
- High production capable. Designed for automated assembly.
- Approved for foreign sales with Department of Commerce (DOC) export license.

PRELIMINARY



Model	Dash No.	Dia. (in ± .01)	Length (in ± .02)	Steel Dent Depth (in)	Energetics	Applications
TE-99, 100 & 101	-501	.25	.44	.024-.040	HNS IV & PBXN-5	Initiating boosters & large charges
TE-99, 100 & 101	-503	.25	.26	.002-.016	HNS IV	Initiating TBIs, ETLs, etc.

Export Status	Dept. of Commerce 1A007.b.4
Construction	TE-99 & 100: Drawn metal can, glass sealed header, gold over nickel plated pins TE-101: Drawn metal can, plastic header, gold over nickel plated pins
Sealing	TE-99, Hermetic to 1×10^{-6} atm-cc/s air; TE-100 & 101 environmentally sealed
Environmental	Per MIL-DTL-23659F or better
Temperature	Functions at -66°C to +85°C
Thermal shock	MIL-STD-331, Test C1, Two chamber method, 28 days, -54°C to +71°C,
Shock	MIL-STD-202, ½ sine, .5 ms, 2000G minimum, 3 axes.
Vibration	MIL-STD-331, Test B3, using the level of Table B3-1 for general fuzes, 12Grms
Drop	Safe after 1.5 meter drop
ESD	25kV, 500pf, 500 ohm, pin-pin (no damage to detonator)
Fireset Requirements	Contact Teledyne
Reliability	>99.9% @ 95% confidence level
Storage Life	10 years
Bridge Resistance	75 mΩ maximum