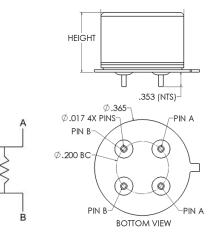


TE-98 Series LEEFI (EFI) Detonator

- 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			

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