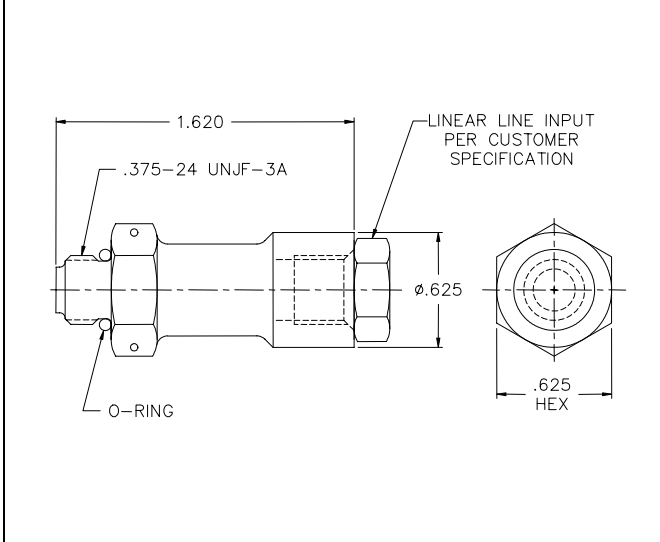




24225 GARNIER STREET • TORRANCE • CALIFORNIA 90505-5355 • U.S.A.  
 TELEPHONES: (310) 784-2100 • (800) 733-0321 • FAX: (310) 326-0797  
 E-mail: marketing@hstc.com

<b>Through Bulkhead Initiator (TBI)</b>	<b>Datasheet</b>	<b>Page 1 of 2</b>	<b>Orig. date: 25JUN03</b>	<b>Rev. A: 03JUN04</b>
DEVICE	TBI INITIATOR		DISPOSITIF	
TYPE	Model PC 182-3 PN 92432		REFERENCE	
1. PERFORMANCES	<ul style="list-style-type: none"> <li>• Transfer (linear) line</li> <li>• Heat Output ( nominal)</li> <li>• Functioning Time</li> <li>• Hermeticity</li> <li>• Nominal peak pressure, 10 cc</li> </ul>		Tailored to customer needs 700 calories or tailored < 5ms $< 10^{-6}$ atm. Cm <sup>3</sup> / s (He) 1150 PSI (or tailored as needed)	
2. MECHANICAL CHARACTERISTICS	<ul style="list-style-type: none"> <li>• Weight</li> <li>• Transfer (Linear) line connection input</li> </ul>		1. PERFORMANCES <ul style="list-style-type: none"> <li>• Chaines de transmission</li> <li>• Quantité de chaleur nominal</li> <li>• Temps de fonctionnement</li> <li>• Degré d' herméticité</li> <li>• Pression nominal</li> </ul>	
MATERIALS	<ul style="list-style-type: none"> <li>• Body</li> </ul>		2. CARACTERISTICQUES MECANIKUES <ul style="list-style-type: none"> <li>• Masse</li> <li>• Connexion Chaines de transmission</li> </ul>	
FIXING MODE	304L Stainless Steel		MATERIAUX	
INSTALLATION TORQUE	.375-24 UNJF-3A (MIL-S-8879)		MODE DE FIXATION	
3. ELECTRICAL CHARACTERISTICS	95 – 105 inch pounds		TORSION D' INSTALATION	
4. PYROTECHNIC CHARACTERISTICS	3. CARACTERISTIQUES ELECTRIQUES		4. CARACTERISTIQUES PYROTECHNIQUES	
<ul style="list-style-type: none"> <li>• Transfer relay</li> <li>• Main explosive charge</li> </ul>	80 mg PETN  PETN + 002 TiH <sub>2</sub> KClO <sub>4</sub> output charge composition as required		<ul style="list-style-type: none"> <li>• Relais de transmission</li> <li>• Charge principale</li> </ul>	





24225 GARNIER STREET • TORRANCE • CALIFORNIA 90505-5355 • U.S.A.  
 TELEPHONES: (310) 784-2100 • (800) 733-0321 • FAX: (310) 326-0797  
 E-mail: marketing@hstc.com

Through Bulkhead Initiator (TBI)	Datasheet	Page 1 of 2	Orig. date: 25JUN03 Rev.A 03JUN04
<b>5. ENVIRONMENTAL TEST SPECIFICATIONS</b> <ul style="list-style-type: none"> <li>• Mechanical shock</li> <li>• Acceleration</li> <li>• Sinusoidal vibration</li> <li>• Random vibration</li>   <li>• Humidity</li> <li>• Thermal storage</li> <li>• Thermal vacuum</li>   <li>• Operating temperature</li> <li>• Storage life</li> <li>• Acoustic vibration</li> <li>• Salt spray</li> </ul>	50g / 11ms 3axis 20 g / 120 sec 25 Hz 2g 20 – 2000 0.0727g <sup>2</sup> / Hz 3 axis 4mn/axis MIL-E-5277C Proc. 1 24 h / +35°C / 93% RH 1x10 <sup>-5</sup> Torr / +20°C / 30 mn -90°F 1x10 <sup>-6</sup> Torr (96 hr) -70°C (-94°F) +88°C (190°F) 5 years 155 db / 10 mn 2 cycles 48h NF-X-41002		<b>5. RESISTANCE AUX CONDITIONS D'ENVIRONNEMENT</b> <ul style="list-style-type: none"> <li>• Chocs mécaniques</li> <li>• Accélération</li> <li>• Vibrations sinusoïdales</li> <li>• Vibrations aléatoires</li>   <li>• Humidité</li> <li>• Thermiques de stockage</li> <li>• Vide thermique</li>   <li>• Températures de fonctionnement</li> <li>• Durée de stockage</li> <li>• Vibrations acoustiques</li> <li>• Brouillard salin</li> </ul>
<b>6. DEVELOPMENT STATUS</b> <ul style="list-style-type: none"> <li>- References:               <ul style="list-style-type: none"> <li>• Development date</li> <li>• Qualification test report</li> <li>• Last verification of qualification date</li> </ul> </li> <li>- Flight applications:               <ul style="list-style-type: none"> <li>• Projects</li> <li>• Dates</li> <li>• Users</li> </ul> </li> </ul>	1982 Qualified for space flight 1982 2000  Space Shuttle & Launch Vehicles  NASA, Lockheed Martin, SAAB		<b>6. CONDITIONS DE DEVELOPPEMENT</b> <ul style="list-style-type: none"> <li>- Références:               <ul style="list-style-type: none"> <li>• Date du développement</li> <li>• Rapport de qualification</li> <li>• Contrôls de qualification ultérieurs</li> </ul> </li> <li>- Applications spatiales:               <ul style="list-style-type: none"> <li>• Projets</li> <li>• Dates</li> <li>• Utilisateurs</li> </ul> </li> </ul>



ISO 9001 A9813