

SEPARATION NUT

DESCRIPTION

This 3/4" separation nut was originally designed for use on the Vertical Launch ASROC program. It uses a 2-102090-1 pressure cartridge for actuation.

PART NUMBER 2-502640-1



PERFORMANCE

All-Fire Current:	5.0 amps
No-Fire Current:	1 amp/1 watt for 5 minutes
Separation Time:	≤ 10 milliseconds

ELECTRICAL PROPERTIES

Bridgewire Resistance:	1.05 ± .1Ω	Shunt Resistance:	1.0±0.3 Ω
Shunt Resistance: 1.40 ± .2Ω		Dielectric Strength:	≤.1 mA @ 500 VAC
Insulation Resistance:	≥50 Megohms @ 500 VDC		
Dielectric Strength:	≤.1 mA @ 500 VAC		

SELECT ENVIRONMENTS

Shear Strength:	5,000 lbs.
High Temperature:	+200F per MIL-STD-810
Method 501, Procedure 1	
Low Temperature:	-65F per MIL-STD-810
Method 502, Procedure 1	

PRESSURE CARTRIDGE

Thread:	.5625-18 UNF -3A
Body:	304 CRES
Leakage:	2.7 x 10 ⁻⁵ cc/sec
Dual Bridgewire with shunt	



