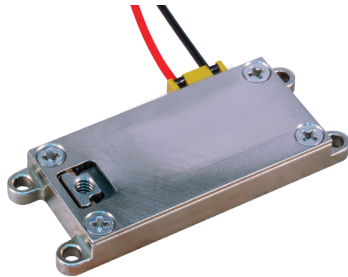


SERIES 06

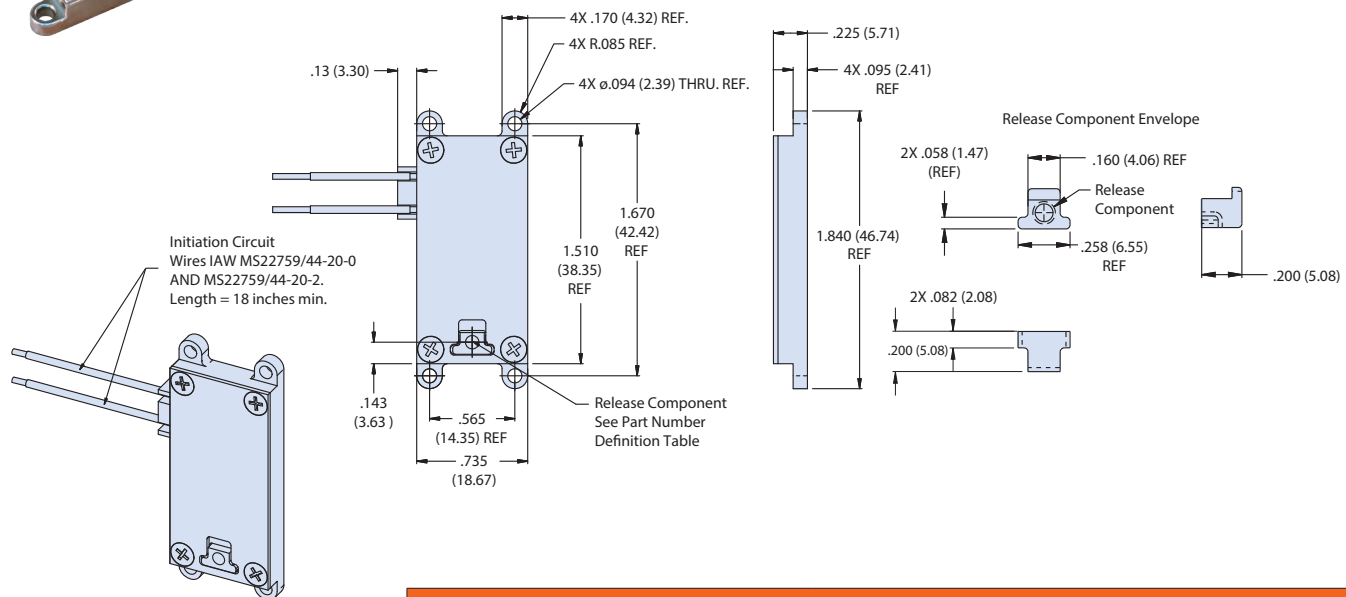
Hold-Down and Release Mechanisms



061-014 Light-Duty HDRM · Non-redundant circuit, 24 lb release preload



HOW TO ORDER			
Sample Part No.	061-014	M3	-1450
Basic Part No.	Light-Duty HDRM, Non-Redundant Circuit		
Designator	M3 = Metric Omit for standard (See Table I)		
Mod Code	-1450 = 80µin (2µm) wire silver plating XL-ETFE Omit for standard MS22759/44 wire		



FEATURES AND BENEFITS

- Field refurbishable: Initiator can be replaced in less than 15 minutes by trained personnel
- Packaging: External housing typically supplied with two mounting points. Custom housings and mountings available
- Connectorization: Standard design supplied with wire inputs. Consult factory for connectorization options
- Scalable bolt size: Bolt size determines preload and can be scaled to accommodate a wide range of requirements
- Initiation circuit wires supplied 18" standard. Custom lengths are available, consult factory.

TECHNICAL DATA	
Tested Capability	
Rated Release Preload	24 lbs
Random Vibration	28.2 GRMS
Shock Input	442 Gs max
Thermal Vacuum	3 cycles -65°C to +70°C, 1.0 X 10 ⁻⁵ Torr
Life Cycle	6 releases on one unit, minimum
Electrical Characteristics	
Initiation Circuit Resistance	<2.0 Ohms
DC Insulation Resistance	>100 MΩ At 100 VDC
Qualification Actuation Current	5 Amps, < 200 msec (At Temperature Range -65°C To +70°C)
No Fire Current	0.25 Amp for 5 min., all conditions
Physical Characteristics	
Mass	20.6 grams approximate weight
Release component thread	0.115-40 UNC-2B*
Material list	IAW MSFC-STD-3029
*Size callout based on the bolt size to be used. Consult factory for qualification test report.	

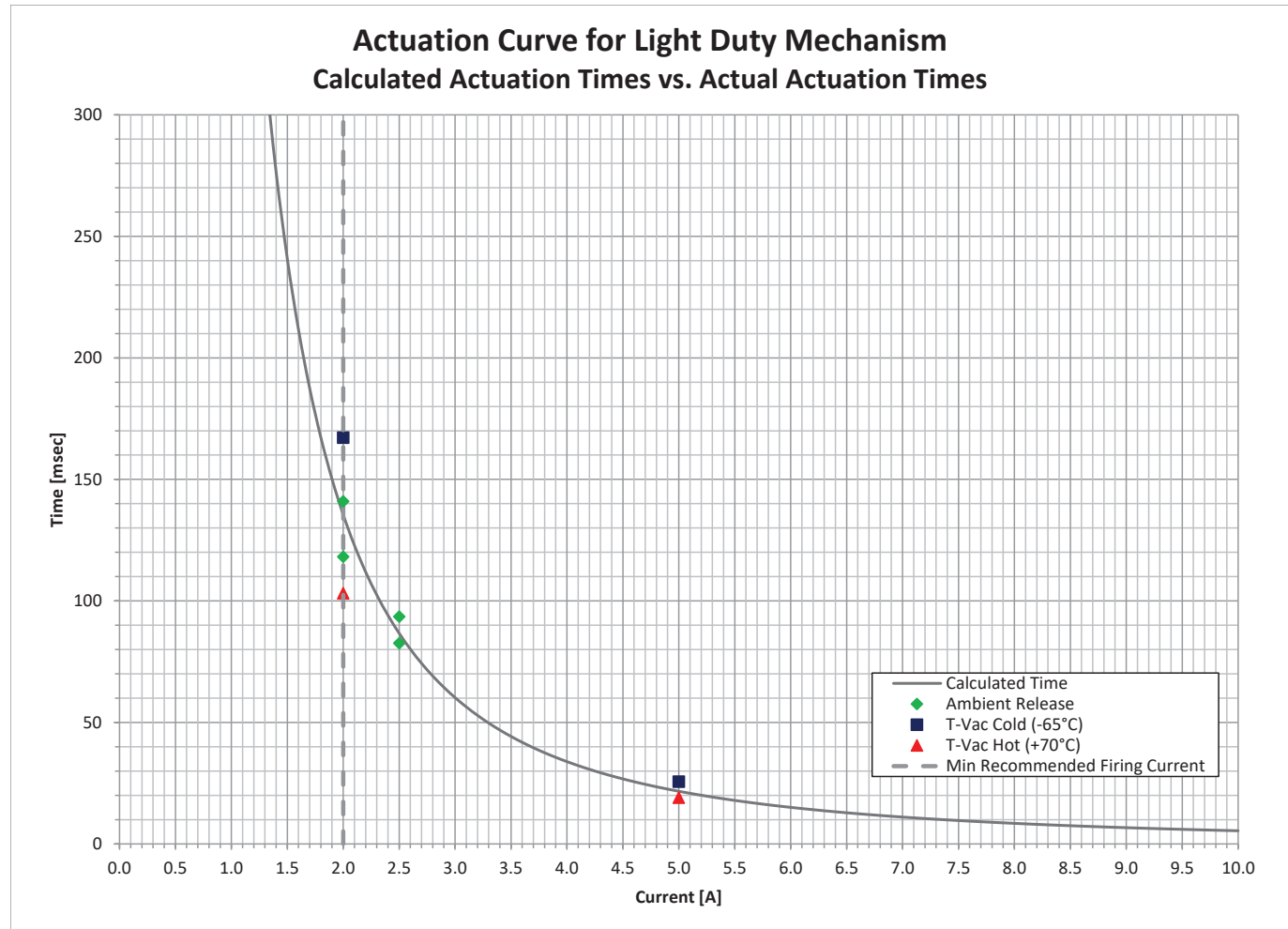
TABLE I: PART NUMBER DEFINITION		
Designator	Part Number	Thread
Blank	061-014	.112-40 UNC-3B .15 Min Th'd Depth
M3	061-014M3	M3 x 0.5 6H 3.8 Min Th'd Depth

SERIES 06

Hold-Down and Release Mechanisms



061-014 Light-Duty HDRM · Non-redundant circuit,
24 lb release preload



MATERIALS/FINISH

- Housing: Al Alloy / Electroless Nickel IAW AMS-C-26074
- Insulator: Torlon
- Release Component: CRES/ Passivated
- Wire: GS22759-44 silver-plated XL-ETFE. Use Mod Code **-1450** for Red Plague resistant 80µin (2µm) Ag plating.

