The Multi-Function Fuze (MFF) is a solid state electronic, short intrusion, inductively programmable, multi-function projectile fuze. It combines five modes of operation including an advanced radar proximity sensor into a single fuze, making it the most effective munitions fuze available today. Modes of operation are:

- **Air Proximity (AIR)**: Detonates at optimal position to target
- **Point Detonation (PD)**: Detonates on land or sea targets
- **Electronic Time (ET)**: Selectable detonation time
- **Surface Proximity (HOB)**: Selectable height of burst above land or sea including negative heights below a reflective canopy
- **Autonomous (AUTO)**: Default mode that combines both AIR and HOB modes

**Applications**
The MFF is designed for use on the Mk187 projectile used on U.S. Navy guns 5”/54 caliber Mk45 Mod 1, 2, 5”/62 caliber Mk45 Mod 4 and 76 mm.

**Product Features and Benefits**

- Expanded target range
- High explosive with high velocity fragments
- Improved logistics, safety and effectiveness vs. other fuzes
- Reduces susceptibility to electromagnetic environments
- Capable of engaging high speed maneuverable surface threats
- Meets MIL-STD-333 and STANAG 2916 contour requirements

**Qualification and Production Data**

- Mod 0 qualified - 2002
- Mod 0 entered production - 2003
- Mod 1 entered production - 2014
Specifications

Technical Data
Weight: 1.98 lb (0.898 kg) max
Length: 5.97 in (151.638 mm) max
Diameter: 2.4 in (60.96 mm) max
Safe and Arm device: 2.4 in (60.96 mm) max

Performance Data
Setback: 26,000g (max)
Rotation: 410 RPS (max)
Velocity: 3.075 ft per second (937 m per sec)
Aiming distance: 5”/54: 980-1,330 ft (299 - 405 m)
5”/62: 980-1,330 ft (299 - 405 m)
Safety (no arm): Up to 1,000g setback; 50 RPS spin
Storage life: 2 years (uncontrolled)
20 years (controlled)

For more information contact:
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