



**Application**

This device is designed to provide a means of ignition from an electrically ignited fusehead to a pyrotechnic fuse of specific diameter.

**Description**

The igniter consists of an open ended copper tube. At one end two leads are situated and held in position by the use of a grommet. Inside the tube the wires are connected to a fusehead. The copper tube is pierced to form a vent hole.

**Operation**

When the electric current is passed through the bridgewire, the resistive heating causes the element to rise above the ignition temperature of the pyrogen, and the pyrogen begins to burn.

**Specifications**

|                         |   |
|-------------------------|---|
| Cable:                  | Twisted pair                                |
| Outer diameter:         | 23 SWG<br>(1.6mm each approx)               |
| Copper core diameter:   | 0.5mm (approx)                              |
| Length:                 | 380mm                                       |
| Bridge wire Resistance: | 0.9 – 1.3ohms                               |
| No fire current         | 0.3 AMPS                                    |
| Operational current:    | 0.9amps                                     |
| All fire current        | 0.26 AMPS 10ms pulse<br>0.55AMPS 50ms pulse |

**References**

**Product Codes:**                      **NATO Stock Number:**

A411    1375-99-942-3348

**UN Number:** 0131

**Proper Shipping Name:** Lighters, Fuse

| Qty per box | Box Type | Hazard Class | NEQ     | GR Wgt | Vol                |
|-------------|----------|--------------|---------|--------|--------------------|
| 500         | H83      | 1.4S         | 0.05 kg | 6.5 kg | 0.01m <sup>3</sup> |

Content of this Data Sheet is subject to modification without prior notice. It does not constitute a Technical Specification.

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