# Detonator, RED®, Top Fire, Electric, 1.03 Grams

### Technical Drawing

![Technical Drawing Image]

1. Rubber Boot
2. Circuit Board
3. Housing
4. Explosive load

### Technical Information

**APPLICATION:**
Electric detonator for oilfield use where RF silence is of concern. Replaces 101272595.

**EXPLOSIVE COMPONENTS:**
- Initiation charge: THKP, 0.10 gm +/- .05
- Transfer charge: Pure HMX, 0.50 gm +/- .05
- Base charge: Pure HMX, 0.43 gm +/- .05

**TEMPERATURE LIMITS:**
375 F / 191 C 1 h

**PERFORMANCE:**
All fire voltage of 325 VDC, either polarity
Dump fire recommended firing method

**SHELF LIFE:**
5 years when stored unopened in original packaging. Storage temperature:
0 C / 32 F min 54 C / 130 F max

**DISPOSAL:**
Dispose of product not suitable for oilfield use according to applicable laws and regulations.

### Packing Information

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity per box</td>
<td>20 pieces</td>
</tr>
<tr>
<td>Net weight per box</td>
<td>0.86 kg (1.9 lbs)</td>
</tr>
<tr>
<td>NEC per box</td>
<td>0.0204 kg</td>
</tr>
</tbody>
</table>

### Packing Method A

- Existing Styrofoam packaging:
- Gross weight per box: 2.22 kg (4.9 lbs)
- Box dim: 30.5 x 30.5 x 22.9 cm (12 x 12 x 9 in)
- Package type: Enclosed by Foil bag with desiccant, then placed inside inner box with antistatic foam divider; then packaged inside outer fibreboard box.

### Packing Method B

- New Tube Packaging:
- Gross weight per box: 3.06 kg (6.75 lbs)
- Box dim: 36.3 x 30.6 x 21.3 cm (14.3 x 12 x 8.4 in)
- Package type: Enclosed by Foil bag, then placed inside inner tube and placed upright in standoff insert that is installed in outer fibreboard box.

### PROPER SHIPPING NAME

UN0255, DETONATORS, ELECTRIC, 1.4B