

# Chemring countermeasures

Product data sheet  
Issue 3

**PW11 Mk2**  
Impulse Cartridge



The Impulse Cartridge is electrically initiated and used for the ejection of countermeasures installed in aircraft countermeasure systems to combat guided missiles and tracking systems.

The cartridge can be used as an alternative to the cartridges impulse type M-796, type BBU-35/B and PW11 Mk1 used in passive expendable decoy dispensers to give improved reliability, a wider operating temperature range and reduced variability in ejection velocity.

The PW11 Mk2 version of the Impulse Cartridge gives reduced variation in in ejection velocity over a wide temperature range.



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Chemring Countermeasures **PW11 Mk2** Impulse Cartridge



## PW11 Mk2 Impulse Cartridge

### Leading Particulars

Designation: Impulse Cartridge PW11 Mk2  
NATO Stock Number: 1377-99-269-1549

### Physical Characteristics

Weight: 4.7g  
Length: 13.7mm MAX  
Diameter Flange: Ø15.9mm MAX  
Diameter Body: Ø12.6mm MAX  
Operating Temperature: -46°C to +76°C

### Electrical Characteristics

'No Fire' current: 1 Amp / 1 Watt for 5min  
'All Fire' current: > 4.25 Amps @ 15-28 Volts, 15ms pulse length  
Threshold power: 1.95 Watts with 500ms pulse  
11.2 Watts with 5ms pulse  
Pre Fire resistance: 1.00 ± 0.15 Ohms  
Post Fire resistance: > 500 Ohms  
Insulation resistance: > 5 M Ohms  
Inductance: < 1 m Henry  
Capacitance: < 1 pFarad

### Performance Characteristics

Delay Time: < 15 ms  
Peak Pressure: 2.1 to 3.1 Mpa in a 45cc closed bomb  
Function Time: < 40 ms  
Shelf Life: 10 years

### Packing Details

Net explosive content: 0.42g  
Quantity: 960  
Net Weight: 4kg  
Gross Weight: 18kg  
UN Number: 0323  
Shipping Dimensions: 495x490x305mm  
Explosive Hazard Class: 1.4S  
Proper Shipping Name: Cartridge Power Device



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For further information please contact:

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This data sheet shall not form part of a contract unless specifically agreed in writing between the Company and the Customer to be a term of the contract.

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