

# Chemring countermeasures

Product data sheet  
Issue 2

## PW11 Mk2a Impulse Cartridge



The Chemring Countermeasures PW11 Mk2a 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 Impulse Cartridge carries an integral toroidal sealing ring on its outside diameter and is configured for fitment into the Chemring Countermeasures IR and RF MEBs and RR170 format Chaff Cartridge. The PW11 Mk2a Impulse Cartridge retains the electrical and performance characteristics of the PW11 Mk2 Impulse Cartridge fitted to the Flare Countermeasure No118 Mk4 that is fully qualified for UK MoD Service use.



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Chemring Countermeasures **PW11 Mk2a** Impulse Cartridge

## PW11 Mk2a Impulse Cartridge

### Leading Particulars

Designation:	<b>Impulse Cartridge PW11 Mk.2a</b>
NATO Stock Number:	1377-99-912-7310
Internal Code:	58338

### 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
Exposure Temperature:	-65°C to +85°C

### Explosive Characteristics

Net explosive content:	0.42g
UN Number:	0276
Explosive Hazard Class:	1.4C
Proper Shipping Name:	Cartridges Power Device

### 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:	< 12 ms
Peak Pressure:	1.4 to 3.1 Mpa in a 45cc closed bomb
Function Time:	< 40 ms
Shelf Life:	10 years



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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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