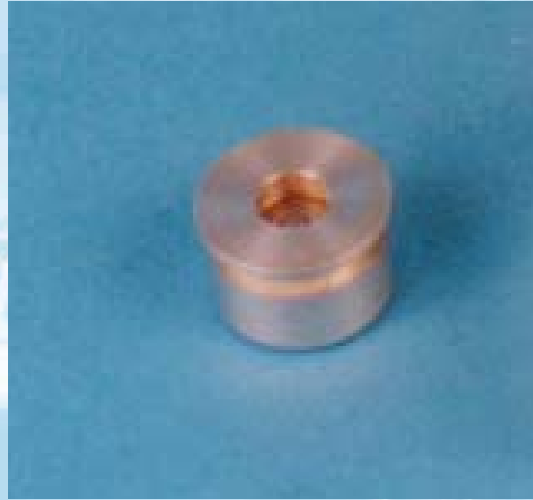




# Cartridge Impulse PW21 (Test)



## A high quality Impulse Cartridge

The Puffer Squib is a PW21 format test cartridge with a pyrotechnic charge but no propellant fill. It is usually mounted by the user into an empty flare/chaff cartridge case and installed into the dispenser.

It's function is to test for satisfactory system operation. On receipt of a valid firing pulse a small flash of flame is emitted as confirmation that the cartridge has fired. Post firing inspection of the cartridge will reveal operation as the foil closure disc will have been perforated.

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## Cartridge Impulse PW21 (Test)

### Leading Particulars

Designation	<b>Cartridge Impulse PW21 (Test)</b>
Part Description	Puffer Cartridge
Nato Stock Number	1377-99-676-4962
Internal Code	58375

### Physical Characteristics

Weight:	9.0g
Length:	13.8mm MAX
Diameter Flange:	Æ20.6mm MAX
Diameter Body:	Æ18.8mm 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 for 15ms
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 r Farad

### Performance Characteristics

Delay Time:	<5 ms
Peak Pressure:	2.5MPa in a 45cc closed bomb
Shelf Life:	10 years

### Packing Details

Quantity:	420
UN Number:	0323
Hazard Class:	1.4S
Net Explosive Content:	0.3g/cart
Dimensions:	495x460x305mm
Gross Weight:	15.5kg
Net weight:	6.0kg
Shipping Name:	Cartridges Power Device



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