

# K7 Advanced Decoy

Flare Countermeasure



# Chemring countermeasures



## A Flare for multiple platforms

The K7 Advanced Decoy is used in aircraft countermeasures systems to combat heat-seeking missiles with rate rejection capability. The flare can be housed in a 218 format multiple shot magazine as fitted to countermeasures dispensing sets AN/ALE 40, 45 and 47 series, M130/M147, Terma, Rokar, MES, MBDA, SAAB Avionics and Thales systems for example. The impulse cartridge is fitted during manufacture of the flare and provides the means of ejecting the thrusting payload. The flare is a direct fit and form equivalent of the US MJU 7A/B Flare but provides a flare trajectory tailored to overcome rate-bias counter-countermeasure systems.



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## K7 Advanced Decoy

### Leading Particulars

Designation	218 K7 Propelled Flare
NATO Stock Number:	1370-99-732-3459
Internal Code:	58560 with PW21 Mk1 Impulse Cartridge

### Physical Characteristics

Weight:	540 g
Ejected Weight:	460 g
Length:	206mm
Cross Section:	51.82mm x 24.64mm
Operating Temperature:	-46°C to +76°C
Exposure Temperature:	-65°C to +85°C
Net explosive content:	112g
Shelf Life	2 Years

### Typical Performance

Ejection Velocity:	26 to 54 m/sec
IR Output:	>2.0kW/sr 4-5 $\mu$ m
Rise Time:	<0.1 sec
Minimum Burn Time:	1.5 secs
Reaction Force:	4.5kN max 24Ns max

### Packing Details

UN Serial No.:	0093
UK Hazard Class:	1.3G
Quantity:	15 packed drum
Estimated Net Weight:	10/15 kg
Estimated Gross Weight:	15/19 kg
Drum Dimensions:	350mm x $\varnothing$ 355mm
Proper Shipping Name:	Flares, Aerial

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