

IR MEB 84-64 (QR)

Modular Expendable Block



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The IR Modular Expendable Block (IR MEB) Quick Release forms part of a defensive aids system to protect a host aircraft from IR heat seeking missile threats by providing an expendable flare payload as a suitable alternative target or 'decoy' to a heat seeking missile. The IR MEB has been developed to provide additional 'shots' in the same magazine space giving greater flexibility and an enhanced operational capability. The IR MEB contains twice the number of payloads as compared to the standard NATO stores.

The MEB is a 2 part glass filled nylon block which is interfaced to the dispenser firing system through an Interface Plate which routes the firing pulse to appropriate cell. The flare payload is pyrotechnically ejected using the PW11 Mk2a Impulse Cartridge. Each MEB contains 64 decoys. The IR MEB can be used in the Thales dispensing systems and has the added enhancement of a Quick Release capability, which enables the MEB to be changed without the use of tools.



PART OF THE CHEMRING GROUP



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Leading Particulars

Designation:	IR MEB 84-64
NATO Stock Number:	5865-99-990-0124
Internal Code:	58625 with PW11 Mk2a Impulse
Cartridge	

Physical Characteristics

Total Block Weight:	5.0kg
Empty Weight:	2.0kg
Net Explosive Content:	2.5kg
Base Dimensions:	112mm x 220mm
Height:	190mm
Operating Temperature:	-46 °C to +76 °C
Exposure Temperature:	-65 °C to +85 °C
Net Explosive Content:	2.61kg
Shelf Life:	3 Years

Performance Characteristics—Flare Payload

Ejected Weight:	45g
Pellet Dimensions:	13 x 13 x 144mm
Net Explosive Weight:	2.5Kg

Typical Performance

Ejection Velocity:	30 to 60 m/sec
IR Output:	Nominal Value 4kW/sr
Typical Burn Time:	3.5 secs
Reaction Force:	<1.5kN max
Pulse Duration:	10ms max
Shelf Life:	5 Years

NB: All performance data is applicable from -10 °C to +70 °C, <24km/hr wind speed, >2km visibility, measured at launch velocity, in the 3-5µm Waveband.

Packing Details

UN Serial Number:	0093
UK Hazard Class:	1.3G
Quantity:	3 packed per box
Estimated Net Weight:	16.5kg
Estimated Gross Weight:	24kg
Box Dimensions:	575 x 315 x 285mm
Proper Shipping Name:	Flares, Aerial



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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