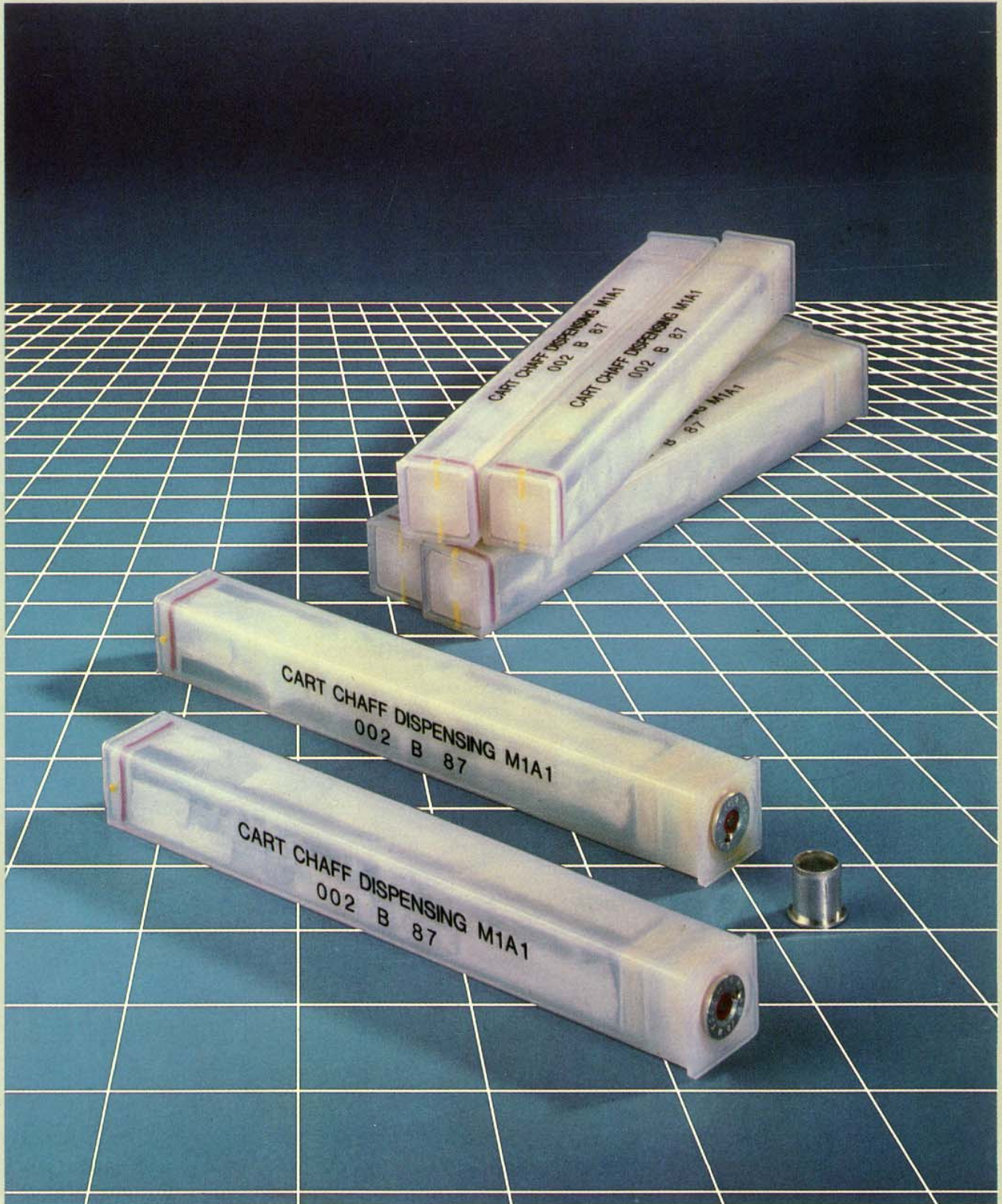


CARTRIDGE CHAFF DISPENSING



CARTRIDGE CHAFF DISPENSING

REF. 0128/0294

DESCRIPTION

This cartridge, and the associated ejection squib, are part of an overall system for EW protection for aircraft – chaff is used specifically as a counter to radar. The cartridge can be fired from most 1 x 1 dispensing systems.

The chaff itself is composed of fibre glass filaments coated with aluminium, to be radar reflecting, and with a slip coating to ensure good deployment. Since the filaments should act as dipoles they are accurately cut to a length equal to half the wavelength of the detection radar. Because a variety of radars may be encountered it is normal to pack a number of different dipole lengths to achieve broadband coverage. The radar cross section obtained is several times larger than most modern aircraft and takes the form of a cloud or stream behind the aircraft.

APPLICATION

The pilot will normally have electronic warning when the aircraft is held in radar lock. It is then imperative to break lock quickly before an attack is mounted. Using the control system in one of its pre-programmed modes, a number of cartridges will be fired so that the radar will remain locked to the dipole cloud while the aircraft itself can break away.

SPECIFICATIONS

Dimensions	:	25 x 25 x 205 long
Total Mass	:	151 g
Electrical requirement	:	4,25 A for 15 m/sec.
Electrical resistance	:	0,8 to 1,3 Ohm
No-fire	:	1 A for 300 sec.
Temperature envelope	:	-55 to +65 C
Performance envelope	:	up to 350 m/sec. velocity and 16 000 m altitude
Length available for pre-cut chaff	:	145 mm
Frequency range	:	3 to 16 GHz



PACKAGING

Item Packaging

	<u>Chaff</u>	<u>Squib</u>
Type of packaging	: Cardboard Container	PVC Pouch
Quantity	: 21	21

Bulk Packaging

	<u>Chaff</u>	<u>Squib</u>
Quantity per box	: 42	840
Type of box	: Wooden box	Wooden box
Gross weight	: 11 kg	9 kg
Dimensions	Width : 267 mm	267 mm
	Height : 193 mm	193 mm
	Length : 284 mm	284 mm

Additional information is available on request.