

RESTRICTED

BR 333(1)
Original

AERIAL OUTFIT AML

AML

SUMMARY OF DATA

PURPOSE

Aerial Outfit AML is used with an interrogator (eg Radar Type 1010) in an IFF secondary radar system.

BRIEF DESCRIPTION

The aerial is a horn type directional UHF transmitting and receiving aerial.

CHARACTERISTICS

Transmission 1030 MHz \pm 8 MHz
1090 MHz \pm 8 MHz

Interrogation Pattern Horizontal Beam width 7° at -3 dB)
Vertical Beam width 60° at -3 dB) nominally

MAJOR UNITS

5840-99-524-2108 Antenna

PHYSICAL DATA

| | <u>Height</u> | <u>Depth</u> | <u>Width</u> | <u>Weight</u> |
|---------|------------------------|----------------------|----------------------|----------------------|
| Antenna | 50.1 cm (19.75 in.) | 40.64 cm (16 in.) | 304.8 cm (10 ft.) | 68.03 Kg (150 lb) |

HANDBOOK

BR 4213 Handbook for Aerial Outfits AML/AMM/AMN
BR 4210 Handbook for Secondary Radar Systems using Types 1010/1011

ESTABLISHMENT LIST

S 1697

INSTALLATION SPECIFICATION

B 1181