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REJECTOR UNIT, B47 AND B48

TECHNICAL HANDBOOK ; DATA SUMMARY

PART NUMBER

ZA 53557 - Rejector unit, TRB47
ZA 53558 - Rejector unit, TRB48

DESCRIPTION

Both units are identical in size and appearance, and differ only in respect of their nameplates and frequency coverage (ie internal component values). Each is a small sealed unit containing fixed and variable reactances to form a tunable filter network, and is normally inserted between the antenna tuning unit and the associated receiver input.

PURPOSE

Fitted in most vehicle installations, using SRC42/B47 or SRC45/B48, to limit interference in the B47 receiver from the C42 transmitter, or in the B48 receiver from the C45 transmitter.

PHYSICAL DATA

Weight: 5.1/2 lb
Width: 7.1/8 in.
Depth: 6 in.
Height: 5 in.

CLIMATIC RANGE

Temperature: -40 to +55°C
Pressure: Altitude of 25,000 ft.

TRANSPORTATION DATA

Air transportable
Immersion-proof

PERFORMANCE

Attenuation: Wanted signal - not }
 greater than 4dB } Provided the
 Unwanted signal - not } signals differ
 less than 30dB } by not less
 } than 2Mc/s

ELECTRICAL DATA

Characteristic impedance

70Ω

Frequency range

Rejector unit, TRB47: 36-60Mc/s

Rejector unit, TRB48: 23-38Mc/s

POWER REQUIREMENTS

Nil.

ASSOCIATED PUBLICATIONS

Station, radio, B47 - Tels G 530

Station, radio, B48 - Tels G 550



Fig 1 - General view of the B48 unit

END