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REJECTOR UNIT, B47 AND B48

TECHNICAL HANDBOOK & DATA SUMMARY

PART NUMBER
3A 63567 - Rejector unit, TR547
2A 63663 - Rejector unit, TR648

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.

DESCRIPTION
Both units are identical in size and appearance, and
differ only in respect of their nameplates and fre-
quency 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.

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Distribution - Class 334. Code No 3
TELECOMMUNICATIONS
L 100

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

CLIMATIC RANGE
Temperature: -60 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
less than 30db

REstricted

ELECTRICAL DATA

Characteristic impedance
75Ω

Frequency range
Rejeter unit, TRB47: 20-60 Mc/s
Rejeter unit, TRB46: 25-38 Mc/s

POWER REQUIREMENTS
N11.

ASSOCIATED PUBLICATIONS
Station, radio, B47 - Tels G 530
Station, radio, B48 - Tels G 550
Fig 1 - General view of the B48 unit

END