

ELECTRONIC TUBE REFERENCE

F4107B

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Low-noise S-band traveling-wave amplifier for radar receivers, covering 2.7-3.3 GHz with at least 25 dB gain and permanent-magnet focusing.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	TravelingWave
No fixed ratings recorded. Published source values promoted where applicable; additional electrical, RF, pulse and cooling data retained as parameters.	

Low-noise broadband traveling-wave tube amplifier for S-band radar service, covering approximately 2.7-3.3 GHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Compagnie General

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1958 COMPAGNIE GENERAL

Section 1 · TravelingWave

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency minimum	2.7 GHz	—
Frequency maximum	3.3 GHz	—
Gain minimum	25 dB	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Low-noise S-band radar amplifier	—

CONSTRUCTION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing method	Permanent magnet	—

TUBE TINKER

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and their source documents.

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