



ELECTRONIC TUBE REFERENCE

E1300

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Naturally cooled thoriated-tungsten power triode for RF and audio transmitter stages. Rated for approximately 1.5 kW plate dissipation and 5 kV plate voltage, with Class C output around 6 kW to roughly 60 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 36 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0125 S
AMPLIFICATION FACTOR	17.5
MAXIMUM PLATE VOLTAGE	5000 V
MAXIMUM PLATE DISSIPATION	1500 W
<i>Published promoted ratings/characteristics retained where readable; additional values are in TUBE_SECTION_PARAMETER.</i>	

Naturally cooled thoriated-tungsten RF and audio power triode for transmitter power stages, usable to about 60 MHz.

SOURCE OPERATING CONDITIONS

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 · Triode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cold filament resistance	0.026 Ohm	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency	60 MHz	—
Plate voltage	4000 V	ClassC;RFAmplifier
RF output power	6 kW	ClassC;RFAmplifier

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	18 pF	—
Input capacitance	23 pF	—
Output capacitance	1.1 pF	—

TUBE TINKER

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and their source documents.

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