



ELECTRONIC TUBE REFERENCE

F6043

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Forced-air-cooled transmitting power triode for major telecommunications and broadcast transmitters. Approximately 25 kW plate dissipation, high transconductance, and 15 kV operation support RF output around tens of kilowatts.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	11 V / 275 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.044 S
AMPLIFICATION FACTOR	42
MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM PLATE DISSIPATION	25000 W
MAXIMUM GRID DISSIPATION	1000 W
MAXIMUM CATHODE CURRENT	10 A
<i>Published promoted ratings/characteristics retained where readable; additional values are in TUBE_SECTION_PARAMETER.</i>	

Forced-air-cooled transmitting power triode for telecommunications and broadcast transmitters; capable of roughly 50 kW output at 30 MHz.

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 · Triode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	37 pF	—
Grid-to-filament capacitance	63 pF	—
Plate-to-filament capacitance	1.2 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	10000 V	30<f<60MHz
Plate voltage	10000 V	ClassB;GroundedGrid;f=30MHz
RF output power	50 kW	ClassC/RF;approximate published capability at 30MHz

TUBE TINKER

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and their source documents.

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