



ELECTRONIC TUBE REFERENCE

F6051

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Forced-air-cooled high-power transmitting triode designed for large single-sideband and compatible-sideband transmitters. Approximately 25 kW plate dissipation and high transconductance support tens of kilowatts of grounded-grid linear RF output.

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 high-power transmitting triode for large SSB and compatible-sideband transmitters; delivers about 40 kW at 30 MHz in grounded-grid class-B service.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	10000 V	30<f<60MHz
Plate voltage	10000 V	ClassB;GroundedGrid;f=30MHz
Plate current	5.6 A	ClassB;GroundedGrid;f=30MHz
Drive power	3 kW	ClassB;GroundedGrid;f=30MHz
RF output power	38 kW	ClassB;GroundedGrid;f=30MHz
Plate voltage	12700 V	ClassC;PlateModulated;f=2MHz
Plate current	5 A	ClassC;PlateModulated;f=2MHz
Useful output power	50 kW	ClassC;PlateModulated;f=2MHz

TUBE TINKER

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