



ELECTRONIC TUBE REFERENCE

F6047

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Very-high-power coaxial ceramic transmitting triode for major fixed RF installations. Approximately 150 kW plate dissipation and advanced cooling support RF output in the hundreds-of-kilowatts range.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12 V / 480 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.135 S
AMPLIFICATION FACTOR	50
MAXIMUM PLATE VOLTAGE	18000 V
MAXIMUM PLATE DISSIPATION	150000 W
MAXIMUM CATHODE CURRENT	30 A
Published promoted ratings/characteristics retained where readable; additional values are in TUBE_SECTION_PARAMETER.	

Very-high-power coaxial ceramic transmitting triode intended for large transmitters, cooled by vaporization or forced fluids and capable of hundreds of kilowatts RF output.



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
Filament-to-grid capacitance	180 pF	—
Grid-to-plate capacitance	100 pF	—
Filament-to-plate capacitance	3.5 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RF output power	300 kW	$f < 10\text{MHz}$; $V_a = 16\text{kV}$
RF output power	200 kW	HigherFrequency; $V_a \approx 12\text{kV}$

TUBE TINKER

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