

ELECTRONIC TUBE REFERENCE

F6077

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Forced-air-cooled pulse power triode for oscillator and hard-tube switching service. Tens-of-kilovolts plate capability and very high pulse current make it suitable for substantial radar and pulsed RF equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	8 V / 290 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.03 S
AMPLIFICATION FACTOR	24
MAXIMUM PLATE VOLTAGE	35000 V
MAXIMUM PLATE DISSIPATION	15000 W
MAXIMUM GRID DISSIPATION	700 W
MAXIMUM CATHODE CURRENT	80 A
Published promoted ratings/characteristics retained where readable; additional values are in TUBE_SECTION_PARAMETER.	

Forced-air-cooled pulse power triode for oscillator or hard-tube service to about 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	42 pF	—
Filament-to-plate capacitance	2.2 pF	—
Grid-to-filament capacitance	54 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum pulse duration	1000 us	—
Maximum duty factor	0.03 ratio	—
Plate voltage	22 kV	Pulse
Pulse plate current	40 A	Pulse
Pulse grid current	7 A	Pulse
Drive power	20 kW	Pulse
Useful output power	640 kW	Pulse

TUBE TINKER

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