

ELECTRONIC TUBE REFERENCE

F7004

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

High-transconductance low-noise safety triode for grounded-grid HF amplifiers to approximately 200 MHz, intended for military and professional equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	2000 Ω
TRANSCONDUCTANCE	0.025 S
AMPLIFICATION FACTOR	50
MAXIMUM PLATE VOLTAGE	180 V
MAXIMUM PLATE DISSIPATION	4.5 W
MAXIMUM CATHODE CURRENT	38 mA
Published promoted ratings/characteristics retained where readable; additional values are in TUBE_SECTION_PARAMETER.	

High-amplification, high-transconductance low-noise safety triode for HF grounded-grid amplifiers to about 200 MHz, intended for military and professional equipment.

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	0.65 pF	Maximum
Input capacitance	9 pF	—
Output capacitance	1.75 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	150 V	ClassA
Cathode resistance	60 Ohm	ClassA
Plate current	22 mA	ClassA
Transconductance minimum	20000 uS	—
Transconductance maximum	30000 uS	—
Amplification factor minimum	35 ratio	—
Amplification factor maximum	55 ratio	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Noise figure	2.7 dB	Cascode;6-60MHz;SourceResistance=400Ohm

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#)
[Tube types](#)
[Full books](#)
[Blog](#)
[Feedback & corrections](#)

