



ELECTRONIC TUBE REFERENCE

F7002

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Rugged low-noise metal-ceramic planar triode for 30–1200 MHz amplification and medium-power oscillator service to approximately 2 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.5 V / 540 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.02 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM CATHODE CURRENT	15 mA
<i>Published promoted ratings/characteristics retained where readable; additional values are in TUBE_SECTION_PARAMETER. Compagnie Générale F7002 low-noise metal-ceramic planar UHF triode. Manufacturer describes amplification at approximately 30–1200 MHz and oscillator applications as high as approximately 2000 MHz, with low noise figure and published interelectrode capacitances. Service operating points and frequency-dependent RF output powers are not unrestricted DC maximum ratings.</i>	

Low-noise rugged metal-ceramic planar triode for 30–1200 MHz amplification and medium-power oscillator service to about 2000 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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum amplifier frequency	1200 MHz	—
Maximum oscillator frequency	2000 MHz	—
Plate current	10 mA	LowNoiseAmplifier
Plate voltage	250 V	—
Plate current	15 mA	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Noise figure	1.1 dB	LowerPublishedRange
Noise figure	1.5 dB	UpperPublishedRange

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