

Military-specification ruggedized UHF triode based on the 6J4 for critical high-frequency applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	6000 Ω
TRANSCONDUCTANCE	0.012 S
AMPLIFICATION FACTOR	60
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	4 W
MAXIMUM CATHODE CURRENT	40 mA
Published ratings and characteristics promoted from the supplied CSF/Thomson source where explicitly available.	

Military-specification high-mu UHF triode based on the 6J4 for critical applications.



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	400 mA	—
MaximumOperatingFrequency	500 MHz	GroundedGridAmplifier



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 RCA Industrial and Communications Types

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Triode

CROSSREFERENCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Prototype / equivalent family	6J4	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Military specification	MIL-E-1/619D	—



1971 RCA HB3 Binder 3 of 7

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1971 RCA HB3 BINDER 3 OF 7
Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	400 mA	—
Peak heater-cathode voltage	100 V	—
Plate voltage	150 V	ClassA
Cathode current	20 mA	GroundedGrid
Maximum operating frequency	500 MHz	UHF

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	12000 uS	GroundedGrid
Amplification factor	60	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode-to-plate capacitance	0.2 pF	—
Grid-to-cathode capacitance	5.5 pF	—
Grid-to-plate capacitance	4 pF	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Premium frame-grid construction	1	—
Severe-environment qualification	1	—

TUBE TINKER

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

