



ELECTRONIC TUBE REFERENCE

HK24

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Medium-mu Gammatron transmitting triode with a 25 W radiation-cooled tantalum plate. Designed for high-voltage operation and unusually efficient VHF service, it combines approximately 2 kV plate capability with amplification factor around 25.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	6.3 V / 3 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	25 W
MAXIMUM CATHODE CURRENT	75 mA
<i>Published maximum ratings and characteristics promoted from the datasheet; typical application values remain parameter rows.</i>	

Medium-mu universal triode with a 25-watt radiation-cooled tantalum plate, designed for high-voltage operation and unusual VHF efficiency. The source describes Gammatron construction using tantalum electrode structures and a thoriated-tungsten filament where applicable.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1944 Heintz and Kaufman

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

1944 HEINTZ AND KAUFMAN

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage	6.3 V	—
Filament Current	3 A	—
Amplification Factor	25	—
Grid-Plate Capacitance	1.3 pF	InterelectrodeCapacitance
Grid-Filament Capacitance	2.1 pF	InterelectrodeCapacitance
Plate-Filament Capacitance	0.2 pF	InterelectrodeCapacitance

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Normal Plate Dissipation	25 W	—
Maximum Plate Voltage	2000 V	—
Maximum Average Plate Current	75 mA	—
Maximum Average Grid Current	25 mA	—
RF Class C Unmodulated Maximum Plate Input	112 W	ClassC;Unmodulated
RF Class C Plate-Modulated Maximum Plate Voltage	1500 V	ClassC;PlateModulated
Audio Class B Maximum Plate Voltage	1500 V	ClassB;TwoTubes

TUBE TINKER

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