



ELECTRONIC TUBE REFERENCE

HK154

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Gammatron low-mu power triode with tantalum plate and grid for Class C RF and audio power or modulator service. Rated for approximately 50 W plate dissipation and 1.5 kV plate voltage, favoring high-current output stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	5 V / 6.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	1750 Ω
AMPLIFICATION FACTOR	6.7
MAXIMUM PLATE VOLTAGE	1500 V
MAXIMUM PLATE DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	175 mA
<i>Published maximum ratings and characteristics promoted from the datasheet; typical application values remain parameter rows.</i>	

Gammatron power triode with tantalum plate and grid, intended for radio-frequency Class C service and audio power-amplifier/modulator applications. 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	5 V	—
Filament Current	6.5 A	—
Amplification Factor	6.7	—
Plate Resistance	1750 ohm	—
Grid-Plate Capacitance	5.9 pF	InterelectrodeCapacitance
Grid-Filament Capacitance	4.3 pF	InterelectrodeCapacitance
Plate-Filament Capacitance	1.1 pF	InterelectrodeCapacitance

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Normal Plate Dissipation	50 W	—
Maximum Plate Voltage	1500 V	—
Maximum Average Plate Current	175 mA	—
Maximum Average Grid Current	30 mA	—
RF Class C CW Maximum Plate Voltage	1500 V	ClassC;Telegraphy
RF Class C Plate-Modulated Maximum Plate Supply Voltage	1250 V	ClassC;Telephony
Recommended Audio Class A Plate Voltage Range	500-1250 V	ClassA;AudioAmplifier

TUBE TINKER

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

