



ELECTRONIC TUBE REFERENCE

4037A

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-mu ceramic-metal pencil triode for RF power amplification, oscillation, and frequency multiplication. Compact low-inductance construction and modest plate dissipation make it suitable for high-frequency circuits where conventional lead structures are limiting.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	6.3 V / 145 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0055 S
AMPLIFICATION FACTOR	30
MAXIMUM PLATE VOLTAGE	360 V
MAXIMUM PLATE DISSIPATION	6.25 W
MAXIMUM GRID DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	25 mA
PEAK INVERSE VOLTAGE	1000 V
NOMINAL OUTPUT CURRENT	250 mA
PEAK FORWARD CURRENT	800 mA
<i>Published ratings/characteristics promoted; remaining useful source values represented as parameters.</i>	

High-mu ceramic-metal pencil triode for RF power amplifier, oscillator, and multiplier service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Standard Valves

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

1937 STANDARD VALVES

Section 1 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal DC output voltage	300 V	HalfWave



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Triode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	4 V	—
Heater/filament current	2 A	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak inverse voltage	1000 V	—
Maximum peak anode current	800 mA	—



1971 RCA HB3 Binder 6 of 7

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

1971 RCA HB3 BINDER 6 OF 7

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	6.3 V	—
Heater/filament current	145 mA	—
Maximum plate voltage	360 V	—
Maximum plate dissipation	6.25 W	—
Typical pulsed plate voltage	1000 V	PulseRF
Useful power output	5 W	RF
Peak heater-cathode voltage	90 V	BothPolarities
Typical RF amplifier power output	5 W	CW

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	30	—
Transconductance	5500 uS	—
Plate resistance	5454.545 ohm	DerivedFromPublishedMuAndGm

TUBE TINKER

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