



ELECTRONIC TUBE REFERENCE

4058

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Medium-mu ceramic-metal pencil triode designed for pulsed and continuous-wave RF oscillator and amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0073 S
AMPLIFICATION FACTOR	40
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	9.5 W
MAXIMUM GRID DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	45 mA
Medium-mu ceramic-metal pencil triode. Plate resistance derived from published μ/gm at the published characteristic point.	

Medium-mu ceramic-metal pencil triode for pulsed and continuous-wave RF oscillator/amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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	300 mA	—
Maximum plate voltage	400 V	—
Maximum plate dissipation	9.5 W	—
Typical pulsed plate voltage	1000 V	PulseRF
Useful power output	800 W	PulseRF
Peak heater-cathode voltage	60 V	BothPolarities
Tripler output frequency	510 MHz	FrequencyMultiplier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	40	—
Transconductance	7300 μ S	—
Plate resistance	5479.452 ohm	DerivedFromPublishedMuAndGm

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker