



ELECTRONIC TUBE REFERENCE

DA42

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Indirectly heated high-mu power triode for Class B push-pull audio amplification. A pair can provide approximately 175 W output at around 1 kV plate supply, combining high gain with cathode isolation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 1.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	2000 Ω
TRANSCONDUCTANCE	0.003 S
AMPLIFICATION FACTOR	72
MAXIMUM PLATE DISSIPATION	40 W
Applicable promoted ratings mapped semantically from the printed approximate-data/ratings tables; useful non-promoted operating, capacitance and service data retained in TUBE_SECTION_PARAMETER.	

Indirectly heated power triode for Class-B push-pull audio amplification; about 175 W per pair.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1955 Marconi

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

1955 MARCONI

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	2000 ohm	—
Anode-Grid Capacitance	4 pF	—
Anode-Cathode Capacitance	1 pF	—
Grid-Cathode Capacitance	32 pF	—
Two-Tube Class-B Output	175 W	ClassB;PushPull
Typical Plate Voltage	1000 V	ClassB
Maximum-Signal Plate Current	275 mA	ClassB
Peak Grid Drive	175 V	ClassB

TUBE TINKER

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and their source documents.

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