



ELECTRONIC TUBE REFERENCE

4102D

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated Standard Valves 4102-series triode; variants differ chiefly in filament treatment and grid-to-anode insulation rather than documented application.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	4.5 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	60000 Ω
TRANSCONDUCTANCE	0.0005 S
AMPLIFICATION FACTOR	30
MAXIMUM PLATE VOLTAGE	190 V
MAXIMUM CATHODE CURRENT	1.5 mA
<i>Published ratings and characteristics promoted where directly established by the datasheet.</i>	

Directly heated triode. 4102-D, -E, -G valves have similar characteristics. 4102-E valve has a filament designed to reduce sputter noise. 4102-G valve is similar to 4102-E valve but has the anode lead brought out through the stem to increase grid—anode ins



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
Mutual conductance	500 μ S	Published characteristic; normalized from mA/V

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-anode capacity	5.6 pF	Published interelectrode capacitance
Grid-filament capacity	3.8 pF	Published interelectrode capacitance
Maximum direct anode current	1.5 A	Maximum safe operating rating

TUBE TINKER

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