



ELECTRONIC TUBE REFERENCE

4211D

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated replacement triode; the E version adds small grid and anode lead chokes to suppress spurious ultra-high-frequency oscillation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	10 V / 3 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	3000 Ω
TRANSCONDUCTANCE	0.004 S
AMPLIFICATION FACTOR	12
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM PLATE DISSIPATION	65 W
MAXIMUM CATHODE CURRENT	200 mA
<i>Published ratings and characteristics promoted where directly established by the datasheet.</i>	

Directly heated triode. For replacement purposes only. The 421 I -E valve is similar to 421 I -D valve but has small chokes (approximately one microhenry) connected in series with the grid and anode leads to prevent spurious oscillations at ultra high frequency.



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	4000 μ S	Published characteristic; normalized from mA/V

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-anode capacity	8.9 pF	Published interelectrode capacitance
Grid-filament capacity	69 pF	Published interelectrode capacitance
Maximum direct anode current	200 mA	Maximum safe operating rating

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