



ELECTRONIC TUBE REFERENCE

4205E

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated Standard Valves triode with oxide-coated filament; related versions use specially treated grid and anode surfaces to reduce secondary emission.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	4.5 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	3500 Ω
TRANSCONDUCTANCE	0.002 S
AMPLIFICATION FACTOR	7
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	15 W
MAXIMUM CATHODE CURRENT	50 mA

Published ratings and characteristics promoted where directly established by the datasheet.

Directly heated triode. M.4205-E valve is similar to 4205-E but has the grid and anode specially treated to reduce secondary emission. SPECIFICATION. Cathode. Oxide coated filament. Constant current type. Base. Medium 4-pin



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

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-grid capacitance	4.8 pF	—
Anode-filament capacitance	3.3 pF	—
Grid-filament capacitance	5.2 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum direct anode current	50 mA	—
Maximum direct grid current	10 mA	—
Maximum frequency for full ratings	15 MHz	—
Anode voltage at 30 MHz	300 V	30MHz



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	2000 μ S	Published characteristic; normalized from mA/V

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum direct anode current	50 mA	Maximum safe operating rating

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