



ELECTRONIC TUBE REFERENCE

C405

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated Philips power triode for audio output-stage service, with approximately 5 W maximum anode dissipation and low internal resistance.

GENERAL CHARACTERISTICS

BASE DESIGNATION	A32	BASE PINS	—
NOMINAL HEATER	4 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	2600 Ω
TRANSCONDUCTANCE	0.0019 S
AMPLIFICATION FACTOR	5
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	25 mA
<i>Published ratings and characteristics promoted where semantically applicable; additional published values retained as section parameters.</i>	

Philips C405 is a directly heated power triode intended for output-stage service, with a 4 V, approximately 0.30 A filament, 5 W anode dissipation and low internal resistance.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical anode voltage	250 V	Published datasheet value
Normal anode current	20 mA	Published datasheet value
Grid bias	-2 V	Published datasheet value
Output load resistance	5200 Ω	Published datasheet value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum transconductance	—2 mA/V	Published datasheet value
Normal transconductance	1.9 mA/V	Published datasheet value
Internal resistance	2600 Ω	Published datasheet value
Amplification factor	5	Published datasheet value
Maximum grid-circuit resistance	—1.5 M Ω	Published datasheet value
Interelectrode capacitance 1	4.8 pF	Published datasheet value
Interelectrode capacitance 2	8.4 pF	Published datasheet value
Interelectrode capacitance 3	5.3 pF	Published datasheet value

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