



ELECTRONIC TUBE REFERENCE

B403

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Early directly heated audio-output triode for loudspeaker receivers; source data establish the output role but not the project's 5-watt power threshold.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	2000 Ω
TRANSCONDUCTANCE	0.0015 S
AMPLIFICATION FACTOR	3
<i>Published ratings and characteristics promoted where semantically applicable; additional published values retained as section parameters.</i>	

Philips B403 is an early directly heated power triode intended as a loudspeaker output valve. Its datasheet emphasizes low internal resistance and strong audio output from a 4 V filament supply.

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
Anode voltage range	50–150 V	Published datasheet value
Normal anode current	15 mA	Published datasheet value
Grid bias	-30 V	Published datasheet value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Saturation current	50 mA	Published datasheet value
Transconductance	1.5 mA/V	Published datasheet value
Internal resistance	2000 Ω	Published datasheet value
Amplification factor	3	Published datasheet value