



ELECTRONIC TUBE REFERENCE

B105

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Low-voltage directly heated receiving triode for detector or audio-output service; available source data do not establish the 5-watt power-category threshold.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.15 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	8300 Ω
TRANSCONDUCTANCE	0.0006 S
AMPLIFICATION FACTOR	5
MAXIMUM PLATE VOLTAGE	120 V
MAXIMUM CATHODE CURRENT	12 mA
Low-voltage receiving/output triode; detector or AF output service.	

B105 is a Philips Miniwatt triode intended for low-voltage receiving/output triode; detector or af output service. The supplied datasheet gives heater, operating, characteristic, and rating information applicable to this type.



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

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Saturation current	20 mA	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Quiescent plate current maximum	12 mA	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker