



ELECTRONIC TUBE REFERENCE

TA42000

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Air-cooled high-mu transmitting triode for shortwave RF service. Approximately 1 kW plate dissipation and 6 kV capability provide strong power gain for substantial professional shortwave transmitter stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	22 V / 24.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	12500 Ω
TRANSCONDUCTANCE	0.004 S
AMPLIFICATION FACTOR	50
MAXIMUM PLATE VOLTAGE	6000 V
MAXIMUM PLATE DISSIPATION	1000 W
<i>Air-cooled transmitting triode for short-wave RF service</i>	

TA42000 is a air-cooled transmitting triode for short-wave rf service. The supplied Philips datasheet was read for filament data, limiting ratings, characteristic constants, operating classes, cooling requirements, and interelectrode capacitances where published.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 1 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tested anode dissipation	1500 W	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament current	24.5 A	—

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