



ELECTRONIC TUBE REFERENCE

TA54000

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-power transmitting triode for RF amplification. Approximately 5 kW plate dissipation and a heavy filament support substantial professional broadcast, communications, and industrial RF stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	22 V / 41 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	2700 Ω
TRANSCONDUCTANCE	0.006 S
AMPLIFICATION FACTOR	16
MAXIMUM PLATE VOLTAGE	5000 V
MAXIMUM PLATE DISSIPATION	5000 W
High-power transmitting triode for RF amplification	

TA54000 is a high-power transmitting triode for rf amplification. 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	6000 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament current	41 A	—