



ELECTRONIC TUBE REFERENCE

TBH79000

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Water-cooled industrial RF power triode for oscillator, amplifier, and transmitter service. Rated for approximately 6 kW plate dissipation and 8 kV plate voltage from a directly heated transmitting structure.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 33 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.012 S
AMPLIFICATION FACTOR	24
MAXIMUM PLATE VOLTAGE	8000 V
MAXIMUM PLATE DISSIPATION	6000 W
<i>Published RF triode characteristics and ratings; additional operating data retained in parameter rows.</i>	

Industrial RF power triode; directly heated thoriated-tungsten filament. Water cooled. Published sheet includes filament, capacitance, characteristic, cooling, and application/rating data.

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
Anode voltage	6000 V	—
Anode current	1 A	—
Transconductance	12000 μ S	—
Amplification factor	24	—
Anode capacitance	1 pF	—
Grid capacitance	14.2 pF	—
Anode-grid capacitance	7.9 pF	—
Maximum anode voltage	8000 V	—
Maximum anode dissipation	6000 W	—