



ELECTRONIC TUBE REFERENCE

TAW1220

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Water-cooled directly heated Philips transmitting triode for high-power RF amplifier and oscillator service. Approximately 18 kW plate dissipation and 12 kV capability provide major continuous transmitter power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	21.5 V / 78 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.01 S
AMPLIFICATION FACTOR	1
MAXIMUM PLATE VOLTAGE	12000 V
MAXIMUM PLATE DISSIPATION	18000 W
Water-cooled directly heated transmitting triode paired with TAL1220 on the supplied Philips sheet.	

Water-cooled directly heated transmitting triode paired with TAL1220 on the supplied Philips sheet.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V4

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V4

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	21.5 V	DirectlyHeated
Filament current	78 A	DirectlyHeated

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	12000 V	Published limit
Maximum plate dissipation	18000 W	Published limit
Maximum starting filament current	160 A	FilamentStarting

TUBE TINKER

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