

ELECTRONIC TUBE REFERENCE

YH1020

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Air-cooled 450-1000 MHz traveling-wave power amplifier for television, FM, and radio-relay service, providing approximately 200 watts continuous RF output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 2.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION0	TravelingWave
No fixed ratings recorded.	

Air-cooled power traveling-wave tube for 450-1000 MHz television, FM and radio-relay amplifiers, with about 200 W continuous output.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Siemens

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

1963 SIEMENS

Section 0 · TravelingWave

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FrequencyRange	450–1000 MHz	Television transmitter
OutputPower	200 W	Continuous wave
SaturationPower	350 W	—
CollectorVoltage	2900 V	—
HelixVoltage	2800 V	—
Screen Grid Voltage	750 V	—
Cathode Current	600 mA	—
MaxCollectorVoltage	3300 V	—
MaxCollectorDissipation	2000 W	—
MaxHelixVoltage	3200 V	—
MaxCathodeCurrent	650 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PowerGain	30 dB	At 200 W output