

ELECTRONIC TUBE REFERENCE

YH1040

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Water-cooled high-power traveling-wave amplifier for 5.9–6.4 GHz service, delivering about 2 kW continuous output with approximately 30 dB gain.

GENERAL CHARACTERISTICS

BASE DESIGNATION	–	BASE PINS	–
NOMINAL HEATER	– / 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.	

Water-cooled high-power traveling-wave tube for 5.9-6.4 GHz service with 2 kW continuous output and approximately 30 dB gain.

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
HeaterVoltageRange	5.5–8.5 V	—
FrequencyRange	5.9–6.4 GHz	Continuous wave
SaturationPower	3 kW	—
OutputPower	2 kW	Continuous wave
CollectorVoltage	5–17 kV	—
SlowWaveStructureVoltage	15 kV	—
Screen Grid Voltage	3 kV	—
Cathode Current	1 A	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PowerGain	30 dB	At 2 kW output