



ELECTRONIC TUBE REFERENCE

YH1201

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Medium-power traveling-wave microwave amplifier designed for broadband RF service, combining wideband amplification with compact electron-beam construction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 TravelingWave	
MAXIMUM SCREEN VOLTAGE	2100 V
MAXIMUM CATHODE CURRENT	50 mA
Traveling-wave tube represented as Other; delay-line, collector and microwave data are preserved in parameters.	

Indirectly heated medium-power traveling-wave tube with 15 W nominal output and adjustable microwave operating conditions.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 AEG

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

1953 AEG

Section 1 · TravelingWave

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	5.985–6.615 V	—
Heater current	405 mA–495 mA	—
Preheating time minimum	3 min	—
Output power	15 W	—
Cathode current	40–45 mA	—
Grid-2 voltage	1600–2050 V	—
Delay-line voltage	2350–2650 V	—
Delay-line current	—5 mA	—
Gain	43–50 dB	—
Grid-2 voltage absolute maximum	2100 V	—
Delay-line voltage absolute maximum	3000 V	—
Collector voltage	950–3000 V	—
Ambient operating temperature	-30–85 degC	—
Duty factor maximum	4.5 %	—

TUBE TINKER

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and their source documents.

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