



ELECTRONIC TUBE REFERENCE

HRO1101

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Magnetically focused backward-wave oscillator used as an electronically tunable microwave measuring generator, with air-cooled collector and approximately 7-11 GHz coverage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 2.1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 TravelingWave	
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM CATHODE CURRENT	40 mA
<i>Microwave-device section. Standard promoted fields contain the closest directly equivalent published anode/beam limits; device-specific quantities are preserved in TUBE_SECTION_PARAMETER.</i>	

Magnetically focused backward-wave oscillator used as an electronically tunable microwave measuring generator, with air-cooled collector.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · TravelingWave

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published nominal value
Heater current	2.1 A	Published nominal value
Frequency range	7–11 GHz	Published tuning range

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RF output power at 7 GHz	25 mW	Published minimum
RF output power at 11 GHz	150 mW	Published minimum