



ELECTRONIC TUBE REFERENCE

UV205

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Russian traveling-wave tube; Uhf power amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 TravelingWave

No fixed ratings recorded.

Application: Uhf power amplification. Cathode type: Oxide, indirect heating; Output type: Waveguide; Envelope: Glass; Mass: 150g; Cooling method: Forced air; Frequency range: 3900; Frequency range Minimum: 3400; Frequency range Maximum: 4400; Output power: 3.5 W; Output power Minimum: 3 W; Output power Maximum: 4 W; Gain: 30db; Filament voltage, v: 6.3; Filament current, a: 1.2; Filament current, a Minimum: 1; Filament current, a Maximum: 1.4; First anode voltage, v: 1225; First anode voltage, v Minimum: 1100; First anode voltage, v Maximum: 1350; Slow-wave circuit voltage, v: 1362.5; Slow-wave circuit voltage, v Minimum: 1250; Slow-wave circuit voltage, v Maximum: 1475; Control electrode voltage, v: 7.5; Control electrode voltage, v Minimum: 5; Control electrode voltage, v Maximum: 10; Collector voltage, v: 1500; External loading agreement coefficient: 2; Noise coefficient: S/n=45db

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Russian Traveling Wave

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

2026 RUSSIAN TRAVELING WAVE

Section 1 · TravelingWave

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
SlowWaveStructureVoltage	1250–1475 V	slow-wave circuit voltage, v
FirstAnodeVoltage	1100–1350 V	first anode voltage, v
OutputPower	3–4 W	output power
Gain	30 dB	gain

TUBE TINKER

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