



ELECTRONIC TUBE REFERENCE

UV14

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Russian traveling-wave tube; Uhf amplification in intermediate stage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 375 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 TravelingWave

No fixed ratings recorded.

Application: Uhf amplification in intermediate stage. Cathode type: Oxide, indirect heating; Output type: Waveguide 10x61mm; Envelope: Glass with permanent magnet focusing system in metal envelope; Mass: 2.5kg; Cooling method: Natural; Frequency range: 3700 MHz; Frequency range Minimum: 3400 MHz; Frequency range Maximum: 4000 MHz; Output power: 60 mW; Output power Minimum: 40 mW; Output power Maximum: 80 mW; Gain: 32.5 dB; Gain Minimum: 30 dB; Gain Maximum: 35 dB; Filament voltage, v: 6.3; Filament current, a: 0.375; Filament current, a Minimum: 0.3; Filament current, a Maximum: 0.45; First anode voltage, v: 200; First anode voltage, v Minimum: 150; First anode voltage, v Maximum: 250; Slow-wave circuit voltage, v: 1125; Slow-wave circuit voltage, v Minimum: 1000; Slow-wave circuit voltage, v Maximum: 1250; Control electrode voltage, v: 20; Collector voltage, v: 1300; External loading agreement coefficient: 1.8; Noise coefficient: 25dB

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
FrequencyRange	3400–4000 MHz	frequency range
SlowWaveStructureVoltage	1000–1250 V	slow-wave circuit voltage, v
FirstAnodeVoltage	150–250 V	first anode voltage, v
OutputPower	40–80 mW	output power
Gain	30–35 dB	gain

TUBE TINKER

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