



ELECTRONIC TUBE REFERENCE

UV15A

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Russian traveling-wave tube; Application as uhf amplifier.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.8 V / 650 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: Application as uhf amplifier. Cathode type: Oxide, indirect heating; Output type: Waveguide 4x23mm; Envelope: Glass; Mass: 60g; Cooling method: Natural; Frequency range: 3.3 cm; Frequency range Minimum: 2.9 cm; Frequency range Maximum: 3.6 cm; Output power: 0.5mW; Gain: 23dB; Filament voltage, v: 2.8; Filament voltage, v Minimum: 2.3; Filament voltage, v Maximum: 3.3; Filament current, a: 0.65; Filament current, a Minimum: 0.5; Filament current, a Maximum: 0.8; First anode voltage, v: 50; First anode voltage, v Minimum: 20; First anode voltage, v Maximum: 80; Slow-wave circuit voltage, v: 715; Slow-wave circuit voltage, v Minimum: 650; Slow-wave circuit voltage, v Maximum: 780; Control electrode voltage, v: 10; Collector voltage, v: 900; Noise coefficient: 15dB

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
Wavelength	2.9–3.6 cm	Wavelength, not frequency
SlowWaveStructureVoltage	650–780 V	slow-wave circuit voltage, v
FirstAnodeVoltage	20–80 V	first anode voltage, v
OutputPower	0.5 mW	output power
Gain	23 dB	gain

TUBE TINKER

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