



ELECTRONIC TUBE REFERENCE

UV22A

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Russian traveling-wave tube; Uhf low-noise amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.3 V / 650 mA	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 low-noise amplification. Cathode type: Oxide, indirect heating; Output type: Coaxial; Envelope: Glass; Mass: 150g; Cooling method: Forced air; Frequency range: 767.5 MHz; Frequency range Minimum: 720 MHz; Frequency range Maximum: 815 MHz; Gain: 15dB; Filament voltage, v: 2.3; Filament voltage, v Minimum: 1.9; Filament voltage, v Maximum: 2.7; Filament current, a: 0.65; Filament current, a Minimum: 0.5; Filament current, a Maximum: 0.8; First anode voltage, v: 50; Slow-wave circuit voltage, v: 212.5; Slow-wave circuit voltage, v Minimum: 125; Slow-wave circuit voltage, v Maximum: 300; Control electrode voltage, v: 15; Collector voltage, v: 462.5; Collector voltage, v Minimum: 425; Collector voltage, v Maximum: 500; External loading agreement coefficient: 2; Noise coefficient: 7.8dB

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	720–815 MHz	frequency range
SlowWaveStructureVoltage	125–300 V	slow-wave circuit voltage, v
FirstAnodeVoltage	50 V	first anode voltage, v
Gain	15 dB	gain

TUBE TINKER

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and their source documents.

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