



ELECTRONIC TUBE REFERENCE

UV3

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Russian traveling-wave tube; Application as hf amplifier.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.7 V / 700 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: Application as hf amplifier. Cathode type: Oxide, indirect heating; Output type: Coaxial 75ohm; Envelope: Glass; Mass: 105g; Cooling method: Natural; Frequency range: 860 MHz; Frequency range Minimum: 810 MHz; Frequency range Maximum: 910 MHz; Filament voltage, v: 2.7; Filament voltage, v Minimum: 2.4; Filament voltage, v Maximum: 3; Filament current, a: 0.7; Filament current, a Minimum: 0.55; Filament current, a Maximum: 0.85; First anode voltage, v: 16; First anode voltage, v Minimum: 8; First anode voltage, v Maximum: 24; Slow-wave circuit voltage, v: 210; Slow-wave circuit voltage, v Minimum: 180; Slow-wave circuit voltage, v Maximum: 240; Control electrode voltage, v: 4.5; Control electrode voltage, v Minimum: 2; Control electrode voltage, v Maximum: 7; Collector voltage, v: 375; External loading agreement coefficient: 1.7; Noise coefficient: 6

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	810–910 MHz	frequency range
SlowWaveStructureVoltage	180–240 V	slow-wave circuit voltage, v
FirstAnodeVoltage	8–24 V	first anode voltage, v

TUBE TINKER

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and their source documents.

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