



ELECTRONIC TUBE REFERENCE

UV40

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

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

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 750 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 first stage. Cathode type: Oxide, indirect heating; Output type: Coaxial; Envelope: Glass with signal conditioning unit in metal envelope; Mass: 380g; Cooling method: Natural; Frequency range: 16 cm; Frequency range Minimum: 12.1 cm; Frequency range Maximum: 19.8 cm; Gain: 25dB; Filament voltage, v: 2.5; Filament voltage, v Minimum: 2; Filament voltage, v Maximum: 3; Filament current, a: 0.75; Filament current, a Minimum: 0.5; Filament current, a Maximum: 1; First anode voltage, v: 65; First anode voltage, v Minimum: 30; First anode voltage, v Maximum: 100; Slow-wave circuit voltage, v: 385; Slow-wave circuit voltage, v Minimum: 320; Slow-wave circuit voltage, v Maximum: 450; Control electrode voltage, v: 20; Control electrode voltage, v Minimum: 10; Control electrode voltage, v Maximum: 30; Collector voltage, v: 500; External loading agreement coefficient: 2.8; External loading agreement coefficient Minimum: 2.5; External loading agreement coefficient Maximum: 3; Noise coefficient: 10dB

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	12.1–19.8 cm	Wavelength, not frequency
SlowWaveStructureVoltage	320–450 V	slow-wave circuit voltage, v
FirstAnodeVoltage	30–100 V	first anode voltage, v
Gain	25 dB	gain

TUBE TINKER

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and their source documents.

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