



ELECTRONIC TUBE REFERENCE

UV257

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Russian traveling-wave tube; Uhf power amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 2.4 A	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 power amplification. Cathode type: Oxide, indirect heating; Output type: Waveguide; Envelope: Glass; Mass: 300g; Cooling method: Natural; Frequency range: 3650 MHz; Frequency range Minimum: 3400 MHz; Frequency range Maximum: 3900 MHz; Output power: 15W; Gain: 30dB; Filament voltage, v: 6.3; Filament current, a: 2.4; Filament current, a Minimum: 2.1; Filament current, a Maximum: 2.6; First anode voltage, v: 900; First anode voltage, v Minimum: 700; First anode voltage, v Maximum: 1100; Slow-wave circuit voltage, v: 2550; Slow-wave circuit voltage, v Minimum: 2300; Slow-wave circuit voltage, v Maximum: 2800; Collector voltage, v: 2300; Collector voltage, v Minimum: 1800; Collector voltage, v Maximum: 2800; External loading agreement coefficient: 1.5; Noise coefficient: 30dB

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	3400–3900 MHz	frequency range
SlowWaveStructureVoltage	2300–2800 V	slow-wave circuit voltage, v
FirstAnodeVoltage	700–1100 V	first anode voltage, v
OutputPower	15 W	output power
Gain	30 dB	gain

TUBE TINKER

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and their source documents.

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