

Russian traveling-wave tube; Uhf power amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.7 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 power amplification. Cathode type: Oxide, indirect heating; Output type: Coaxial; Envelope: Glass with signal conditioning unit in metal envelope; Mass: 500g; Cooling method: Forced air; Frequency range: 10.1 cm; Frequency range Minimum: 8 cm; Frequency range Maximum: 12.2 cm; Output power: 1mW; Gain: 35dB; Filament voltage, v: 2.7; Filament voltage, v Minimum: 2; Filament voltage, v Maximum: 3.3; Filament current, a: 0.75; Filament current, a Minimum: 0.5; Filament current, a Maximum: 1; First anode voltage, v: 102.5; First anode voltage, v Minimum: 5; First anode voltage, v Maximum: 200; Slow-wave circuit voltage, v: 470; Slow-wave circuit voltage, v Minimum: 420; Slow-wave circuit voltage, v Maximum: 520; Control electrode voltage, v: 9; Control electrode voltage, v Minimum: 3; Control electrode voltage, v Maximum: 15; Collector voltage, v: 600; External loading agreement coefficient: 2.5; Noise coefficient: 14dB

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	8–12.2 cm	Wavelength, not frequency
SlowWaveStructureVoltage	420–520 V	slow-wave circuit voltage, v
FirstAnodeVoltage	5–200 V	first anode voltage, v
OutputPower	1 mW	output power
Gain	35 dB	gain