



ELECTRONIC TUBE REFERENCE

UVF5

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Russian traveling-wave tube; Application as amplifier-phase changer in afc.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 750 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 amplifier-phase changer in afc. Cathode type: Oxide, indirect heating; Output type: Coaxial; Envelope: Glass; Mass: 2.5kg; Cooling method: Forced air; Frequency range: 991MHz; Output power: 5.8 W; Output power Minimum: 3.5 W; Output power Maximum: 8 W; Filament voltage, v: 12.6; Filament current, a: 0.75; Filament current, a Minimum: 0.5; Filament current, a Maximum: 1; First anode voltage, v: 1000; First anode voltage, v Minimum: 850; First anode voltage, v Maximum: 1150; Slow-wave circuit voltage, v: 1250; Slow-wave circuit voltage, v Minimum: 1100; Slow-wave circuit voltage, v Maximum: 1400; Control electrode voltage, v: 100; Control electrode voltage, v Minimum: 40; Control electrode voltage, v Maximum: 160; Collector voltage, v: 1400; Collector voltage, v Minimum: 1300; Collector voltage, v Maximum: 1500; External loading agreement coefficient: 1.3

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	991 MHz	frequency range
SlowWaveStructureVoltage	1100–1400 V	slow-wave circuit voltage, v
FirstAnodeVoltage	850–1150 V	first anode voltage, v
OutputPower	3.5–8 W	output power

TUBE TINKER

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and their source documents.

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