

ELECTRONIC TUBE REFERENCE

OVS5

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Russian backward-wave microwave tube; Used as heterodyne in special equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 TravelingWave

No fixed ratings recorded.

Backward-wave microwave tube. Cathode Type: Impregnated, Indirect Heating; Output Type: Waveguide; Envelope: Metal-Ceramic; Mass: 325g; Cooling Method: Natural; Frequency Range: 3.2cm; Frequency Range Minimum: 3.1cm; Frequency Range Maximum: 3.3cm; Power Irregularity In Frequency Band, Db: 3.5; Output Power: 30mW; Tuning Transconductance: 2.5-8.0MHz/V; Filament Voltage, V: 6.3; Filament Current, A: 0.6; Collector Voltage, V: 165; External Loading Agreement Coefficient: 1.5

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Russian Backward Wave

Published test conditions and operating points. Values on this page are preserved as reported by this source.

2026 RUSSIAN BACKWARD WAVE

Section 1 · TravelingWave

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
OutputPower	30 mW	RF output power
Wavelength	3.2 cm	Nominal wavelength
CollectorVoltage	165 V	Collector voltage