

ELECTRONIC TUBE REFERENCE

OV32

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Russian backward-wave microwave tube; Used as signal source in lab measuring equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	3 V / 2 A	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: Tungsten-Baric, Impregnated, Indirect Heating; Output Type: Waveguide; Envelope: Metal-Ceramic; Mass: 300g; Cooling Method: Forced Water; Frequency Range: 0.685cm; Frequency Range Minimum: 0.56cm; Frequency Range Maximum: 0.81cm; Power Irregularity In Frequency Band, Db: 13; Output Power: 0.6mW; Filament Voltage, V: 3; Filament Current, A: 2; Slow-Wave Circuit Voltage, V: 3000; Slow-Wave Circuit Voltage, V Minimum: 1000; Slow-Wave Circuit Voltage, V Maximum: 5000

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	0.6 mW	RF output power
Wavelength	0.685 cm	Nominal wavelength
SlowWaveStructureVoltage	3000 V	Slow-wave circuit voltage