

ELECTRONIC TUBE REFERENCE

OVS6

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Russian backward-wave microwave tube; Used as generator in aircraft altimeter.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1 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 tube for aircraft altimeter generator. Impregnated indirectly heated cathode; coaxial output; metal-ceramic envelope; 650 g; natural cooling; frequency 4200-4400 MHz (nominal 4300 MHz); output power 250 mW; power irregularity 6 dB; filament 6.3 V, 1 A.

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	250 mW	RF output power
FrequencyRange	4300 MHz	Nominal frequency