



ELECTRONIC TUBE REFERENCE

1S38A

Voltage - Triode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Russian 1S38A miniature directly heated low-voltage triode for audio amplification and HF oscillation, with 0.9 V 85 mA filament, μ 24.5 and gm 0.77 mA/V.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	0.9 V / 85 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.00077 S
AMPLIFICATION FACTOR	24.5
Russian receiving tube 1S38A, one-page compiled specification. Miniature glass directly heated oxide-cathode triode with flexible leads, intended for low-frequency power amplification and high-frequency oscillation. Nominal filament 0.9 V, current 0.085 A, specified current range 0.076-0.094 A. Amplification factor nominal 24.5, range 20-29. Transconductance nominal 0.77 mA/V (0.00077 A/V), range 0.67-0.87 mA/V (0.00067-0.00087 A/V). Listed anode operating voltage 70 V, not explicitly maximum plate rating; max_plate_voltage remains null. Reverse grid current 0.1 μA. Microphonic noise 5 mV. Plate resistance not provided. Source mass '700 g' appears implausible for miniature tube and is not promoted. Canonical base code not specified.	

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Russian Receiving

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

2026 RUSSIAN RECEIVING

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	70 V	—