



ELECTRONIC TUBE REFERENCE

6G7

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL
DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-TRIODE

The Russian 6G7 is an indirectly heated combination receiving tube containing two signal diodes and an amplifying triode. Its diode sections perform detection or related signal rectification, while the triode provides low-frequency voltage amplification. It is intended for conventional radio receiver circuitry.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode

TRANSCONDUCTANCE	0.0013 S
AMPLIFICATION FACTOR	70

Russian 6G7 shared-cathode double diode-triode, typical V_a 250 V V_g -3 V I_a 1.4 mA, μ 70 (55-85), g_m 0.0013 A/V (0.001-0.0016), anode power 1 W reported without explicit maximum designation. Each diode current typical 0.8 mA.

SECTION2 Diode

No fixed ratings recorded.

SECTION3 Diode

No fixed ratings recorded.



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	250 V	—
Grid Voltage	-3 V	—
Plate Current	1.4 mA	—

TUBE TINKER

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