



ELECTRONIC TUBE REFERENCE

6A10S

Voltage Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

HEPTODE

Russian heptode frequency-converter receiving tube.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Heptode

No fixed ratings recorded.

Russian 6A10S indirectly heated oxide-cathode heptode for superheterodyne frequency conversion; heater nominal 6.3 V 0.3 A, range 0.275–0.325 A, glass envelope, reported octal C1-1-5A basing. Source summary gives anode voltage 250 V, anode current 4 mA (2.5–4.5 mA), grid-2 voltage 100 V, grid-4 100 V with grid-5 at 0 V, and anode power 1.1 W, but these are NOT explicitly identified as absolute maxima: prior max_plate_voltage 250 V and max_plate_dissipation 1.1 W cleared. Stated transconductance 4.7 mA/V (range 3.5–5.9 mA/V) is electrode-specific or unclear in heptode mixer service, so no intrinsic gm promoted without clarification. 1 physical heptode section, index normalized to 1.

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 · Heptode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	Typical heptode anode voltage

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	6.3 V	Heater voltage
Heater/filament current	300 mA	Heater current