



ELECTRONIC TUBE REFERENCE

6K6AV

Voltage Pentode - High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Ruggedized Russian subminiature high-frequency pentode for RF voltage amplification. It combines compact signal-amplifier construction with strengthened mechanical design for equipment exposed to demanding operating conditions.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 127 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.0045 S
MAXIMUM PLATE DISSIPATION	1.3 W
MAXIMUM SCREEN DISSIPATION	0.4 W
MAXIMUM CATHODE CURRENT	15 mA
<i>Values promoted from the complete filename-matched Russian entry only.</i>	

Ruggedized subminiature high-frequency pentode for RF voltage amplification. Extracted and translated from the complete Russian entry corresponding to the PDF filename; neighboring page-break fragments were excluded.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1981 Russian Tubes Katsnelson and Larionov

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

1981 RUSSIAN TUBES KATSNELSON AND LARIONOV

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	7.5 mA	Translated from Russian source; filename-matched entry only
Heater current	127 mA	Translated from Russian source; filename-matched entry only
Maximum cathode current	15 mA	Translated from Russian source; filename-matched entry only
Maximum plate dissipation	1.3 W	Translated from Russian source; filename-matched entry only
Maximum screen dissipation	0.4 W	Translated from Russian source; filename-matched entry only