

ELECTRONIC TUBE REFERENCE

6K4PER

Voltage Pentode - Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Long-life, high-reliability Russian remote-cutoff RF pentode for RF and IF amplification with automatic gain control. It combines extended-control operation with reliability-oriented construction for sustained professional service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 270 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	450000 Ω
TRANSCONDUCTANCE	0.0044 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	195 V
MAXIMUM CATHODE CURRENT	20 mA
Values promoted from the complete filename-matched Russian entry only.	

Long-life/high-reliability remote-cutoff RF pentode variant for IF/RF amplification and AGC service. 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	10.3 mA	Translated from Russian source; filename-matched entry only
Screen current maximum	5.5 mA	Translated from Russian source; filename-matched entry only
Transconductance	4.4 mA/V	Translated from Russian source; filename-matched entry only
Input resistance at 60 MHz minimum	3.5 kOhm	Translated from Russian source; filename-matched entry only
Input capacitance	6.4 pF	Translated from Russian source; filename-matched entry only
Output capacitance	6.7 pF	Translated from Russian source; filename-matched entry only
Transfer capacitance maximum	0.0035 pF	Translated from Russian source; filename-matched entry only
Service life minimum	2000 h	Translated from Russian source; filename-matched entry only