



ELECTRONIC TUBE REFERENCE

6S17KB

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Soviet 6S17K-V metal-ceramic coaxial microwave triode for centimeter- and decimeter-wave RF oscillators and amplifiers.

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 Triode	
TRANSCONDUCTANCE	0.014 S
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	2 W
Original bilingual Soviet 6S17K-V microwave metal-ceramic triode. Heater 6.3 V 0.3 A, max plate 200 V, dissipation 2 W, max plate current 11 mA, grid current 3.5 mA, grid dissipation 0.1 W, HF grid drive power 0.2 W, max negative grid -30 V. Typical Va 175 V, gm 14 mA/V, RF output >100 mW at 10 cm wavelength. Cgk 3±1 pF, Cgp <0.015 pF, output ~1.5±0.3 pF. Former mu 175 not substantiated, cleared pending reliable source. 2000 h life, -60 to +100°C, shock 500 g.	

The 6C17K-B superhigh frequency triode is de- Ha3HaYeH JIJsd YCWJJeHHs W reHepHpoBaHHUs Koseba- signed for amplification and generation of oscil- HU# B CAaHTHMETPOBOM H HelHMEeTPOBOM J[AUanaso- lation over the superhigh and ultrahigh wave He BOJIH.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1970 Russian Tubes Mashpriborintorg

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

1970 RUSSIAN TUBES MASHPRIBORINTORG

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol U,	63 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I,	30030 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U	175 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Cg _{lk}	3±1 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol g _{la}	15203 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Ch	<0015 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol U,	66 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U,	200 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I	11 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol Ig	3.5 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol P,	2 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol R,	2 kΩ	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol P,	1 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol T	6 a	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.