



ELECTRONIC TUBE REFERENCE

16F3P

Power - TV Vertical Output electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-TRIODE

Russian triode-pentode for television low-frequency amplification and vertical-deflection circuits with series-heater operation. It combines a small-signal triode and power-capable pentode for integrated television time-base service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	16 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	15 mA
Values promoted where clearly identifiable from Russian source.	

SECTION2 Pentode	
MAXIMUM PLATE VOLTAGE	275 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	8 W
MAXIMUM SCREEN DISSIPATION	2.5 W
Values promoted where clearly identifiable from Russian source.	

Triode-pentode for television low-frequency amplification and vertical-deflection circuits with series heater operation.

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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	2.5 μS	Published Russian-source value; OCR-normalized.
Amplification factor	70	Published Russian-source value; OCR-normalized.
Input capacitance	3	Published Russian-source value; OCR-normalized.
Output capacitance	4.3	Published Russian-source value; OCR-normalized.
Transfer capacitance	4.5 V	Published Russian-source value; OCR-normalized.
Plate current	41 mA	Published Russian-source value; OCR-normalized.
Transconductance	7.5 V	Published Russian-source value; OCR-normalized.
Output capacitance	8.3 W	Published Russian-source value; OCR-normalized.
Input capacitance	9.3	Published Russian-source value; OCR-normalized.
Transfer capacitance	0	Published Russian-source value; OCR-normalized.
Heater voltage	16 V	Nominal/published heater value.
Heater current	315 mA	Nominal/published heater value.

1981 RUSSIAN TUBES KATSNELSON AND LARIONOV

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen current	4 mA	Published Russian-source value; OCR-normalized.