



ELECTRONIC TUBE REFERENCE

3C16S

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Russian half-wave rectifier for AC-to-DC conversion. Available translated documentation confirms the rectifier function, but verified promoted heater and electrical ratings are insufficient for a more detailed numerical description.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	85000 V
<i>Electrical values extracted only from the filename-designated tube block; page-edge fragments excluded.</i>	

3C16S rectifier from a Russian vacuum-tube reference; technical description translated to English.

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 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rectified current	1.1 mA	Выпрямленный ток (при $U_{oac}=35$ кВ, $f=16$ кГц) и 1,1 мА
Anode-cathode capacitance	1.5--0.4 pF	Емкость между анодом и катодом и 1,5--0,4 пФ
Service life	>750 h	Наработка и 2>750 ч
Plate current	>8.6 mA	ток анода (при $U_a=120$ В) >8,6 мА
Rectified current	11 mA	Выпрямленный ток (среднее значение) K_v 11 мА
Plate current	80 mA	Ток анода в импульсе , 80 мА
Plate current	28 mA	Ток анода . . , 28 мА
Rectified current	1.5 mA	Выпрямленный ток (при $U_{обр}=25$ кВ $i=16$ кГц) , 1,5 мА

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Reverse voltage	85 kV	Обратное напряжение . . . з ее , 85 кВ

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