



ELECTRONIC TUBE REFERENCE

6C10P

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Russian indirectly heated damping diode designed for television horizontal line-scanning circuits, with kilovolt pulse ratings and specified line-scan operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.05 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PLATE RESISTANCE	130 Ω
PEAK INVERSE VOLTAGE	4500 V
NOMINAL OUTPUT CURRENT	120 mA
PEAK FORWARD CURRENT	450 mA
WARM-UP TIME	1 s
<i>REDO promoted fields populated from published specification/maximum-rating tables where applicable.</i>	

The 6C10P is an indirectly heated damping diode for television horizontal line-scanning circuits.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Russian

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

195X RUSSIAN

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage	20 V	Published test point
Anode current	150 mA	Published test point
Internal resistance	130 Ohm	Published value
Rectified current	120 mA	Average
Anode pulse current	450 mA	Published value
Pulse duration	12 us	Published nominal
Line scanning frequency	16 kHz	Published nominal
Cathode-heater capacitance	4.5 pF	Published value
Warm-up time	1 s	Published value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak reverse anode voltage	4.5 kV	Pulse
Peak cathode-heater voltage	4.5 kV	Pulse

TUBE TINKER

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