

ELECTRONIC TUBE REFERENCE

5C4M

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA  
2 SECTIONS  
CONSTRUCTION  
RECTIFIER-RECTIFIER

Russian miniature indirectly heated double-kenotron for full-wave power-frequency rectification, using two rectifier sections to provide approximately 130 mA nominal DC output.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 5 V / 2 A         | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                                                                                                     |        |
|-----------------------------------------------------------------------------------------------------|--------|
| SECTION1 Rectifier                                                                                  |        |
| NOMINAL OUTPUT CURRENT                                                                              | 130 mA |
| PEAK FORWARD CURRENT                                                                                | 1 A    |
| REDO promoted fields populated from published specification/maximum-rating tables where applicable. |        |

|                                                                                      |  |
|--------------------------------------------------------------------------------------|--|
| SECTION2 Rectifier                                                                   |  |
| No fixed ratings recorded.                                                           |  |
| Second physical rectifier section added for documented double-kenotron construction. |  |

The 5C4M is a glass miniature double-kenotron with an indirectly heated cathode for power-frequency rectification.

## 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 |
| First-diode emission current  | 300 mA          | Minimum          |
| Second-diode emission current | 300 mA          | Minimum          |
| Rectified current             | 133 mA          | Minimum          |

| OTHER                         |                 |                  |
|-------------------------------|-----------------|------------------|
| PARAMETER                     | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum plate current         | 415 mA          | Peak/amplitude   |
| Maximum rectified current     | 130 mA          | Published limit  |
| Peak plate current            | 1 A             | Published limit  |
| Maximum average plate current | 70 mA           | Published limit  |