

7227

Power - Pentode Single (NOT beam) (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Power/output pentode designed for low-frequency or audio-frequency output amplification.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 9             |
| NOMINAL HEATER      | 27.5 V / 175 mA   | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                                                                                      |     |
|--------------------------------------------------------------------------------------|-----|
| SECTION 1 Pentode                                                                    |     |
| MAXIMUM PLATE DISSIPATION                                                            | 2 W |
| Primary electrical section; identical repeated sections compressed where applicable. |     |

TYPE 7227: ILOW VOLTAGE OUTPUT PRNTODE. The 7227 is an indirectly heated pentode for power output operation, It is designed for reliable service in mobile or fixed equipment where will operate in applications where the heater, plate and screen voltages are derived from a battery of approximetely 2L¥. These features make the tube particularly suitable for use in the instrumentation, control and radio eaguinment of aircrafd, Cozted uninotential cathode Base. seseccccvo nsses BI=1 Miniature Glass Button 9 pin. Maxlffilm dlalleter .....l..l.....O...l...l.....'...l'..... MaXimum Overall length PR I ROSOINAPIINCINBIPNIGIOIBEIRNRLOIRODROIIOIDPOTITTS Maximuln Seated height e9S VO PESARSSLOIGOIOCENRIGSAESPIOROREECEDPSILILALQROIOGIOERRTITSODS 2

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

## 1954 STC Brimar

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

1954 STC BRIMAR

## Section 1 · Pentode

| OTHER                                                                        |                 |                                                                           |
|------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------|
| PARAMETER                                                                    | PUBLISHED VALUE | CONDITION / NOTE                                                          |
| Maximum plate dissipation<br>veeseescscscscsesassssccccsssessress<br>2 Watts | 2 W             | Maximum plate dissipation<br>veeseescscscscsesassssccccsssessress 2 Watts |

| CHARACTERISTIC                                                                                                      |                 |                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------|
| PARAMETER                                                                                                           | PUBLISHED VALUE | CONDITION / NOTE                                                                                                    |
| Maximum grid No.1 current $I_{g1}$<br>60800803000 06800Roecsossessseos 5 mA                                         | 5 mA            | Maximum grid No.1 current $I_{g1}$<br>60800803000 06800Roecsossessseos 5 mA                                         |
| Grid No.3 voltage «e....Pin No,9 connected to pin No.3 at socket                                                    | 3 V             | Grid No.3 voltage «e....Pin No,9 connected to pin No.3 at socket                                                    |
| Grid No.1 Voltage (approx.) for $I_{b1} = 10\mu A$ ,<br>-...-...-...ao-o-o can. a "205D $\phi$ C $^{\circ}$ VO11'": | 1 V             | Grid No.1 Voltage (approx.) for $I_{b1} = 10\mu A$ ,<br>-...-...-...ao-o-o can. a "205D $\phi$ C $^{\circ}$ VO11'": |
| Grid No.2 Current<br>ssoesesacvesestaccessosvnsososnccscassccsassads<br>1.1mA                                       | 1.1 mA          | Grid No.2 Current<br>ssoesesacvesestaccessosvnsososnccscassccsassads<br>1.1mA                                       |
| Grid No.1 Voltage (approx.) for $I_{b1} = 10\mu A$ ,<br>-...-...-...ao-o-o can. a "705 volts                        | 705 V           | Grid No.1 Voltage (approx.) for $I_{b1} = 10\mu A$ ,<br>-...-...-...ao-o-o can. a "705 volts                        |

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