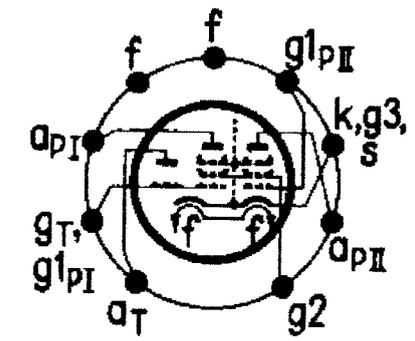


| Röhrentyp | | | ECLL 800 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|-----------------|---|--|--|--|-----------------------------------|-------|-----------|---------------------|-----|-----|-----|-----|--|--|-----|-----|----|--|----|--|--|--|--|------|---|-----|----|---------------------------|--|--|-----|------------------------|---------------|--|-----------------|--|--|-----|--|------|--|--|--|---------------|
| 1 | Zahl der Elektroden | | 3+5+5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Verwendungszweck | | Ph+GEP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Sockelschaltung | | No 258 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Betriebsart | | ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | U_f | V | 6,3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | I_f | A | 0,6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Heizart | | ind | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Verwendet als | | <table border="1"> <tr> <td>T: stat</td> <td>T: Ph</td> <td>1 P: stat</td> <td>P: GAB¹</td> </tr> <tr> <td>100</td> <td>250</td> <td>250</td> <td>250</td> </tr> <tr> <td></td> <td></td> <td>250</td> <td>250</td> </tr> <tr> <td>-9</td> <td></td> <td>-9</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>0,18</td> </tr> <tr> <td>4</td> <td>1,4</td> <td>24</td> <td>2×21 2×26⁴</td> </tr> <tr> <td></td> <td></td> <td>4,5</td> <td>8,4 18⁴</td> </tr> <tr> <td>∅ 0,05 1,2</td> <td></td> <td>6 ∅ 17 80</td> <td></td> </tr> <tr> <td></td> <td>150</td> <td></td> <td>∅ 11</td> </tr> <tr> <td></td> <td></td> <td></td> <td>5 8 8,5</td> </tr> </table> | | | | T: stat | T: Ph | 1 P: stat | P: GAB ¹ | 100 | 250 | 250 | 250 | | | 250 | 250 | -9 | | -9 | | | | | 0,18 | 4 | 1,4 | 24 | 2×21 2×26 ⁴ | | | 4,5 | 8,4 18 ⁴ | ∅ 0,05 1,2 | | 6 ∅ 17 80 | | | 150 | | ∅ 11 | | | | 5 8 8,5 |
| T: stat | T: Ph | 1 P: stat | | | | | P: GAB ¹ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 250 | 250 | | | | | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 250 | | | | | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -9 | | -9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 0,18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 1,4 | 24 | | | | | 2×21 2×26 ⁴ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 4,5 | | | | | 8,4 18 ⁴ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ∅ 0,05 1,2 | | 6 ∅ 17 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 150 | | | | | | ∅ 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 5 8 8,5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | U_a ∅ U_b | V | | | | | Anodenspannung ∅ Betriebsspannung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | U_{g3} ∅ U_{g3+5} | V | | | | | } Gitterspannungen | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | U_{g2} ∅ U_{g2+4} | V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | U_{g1} ∅ U_{g4} | V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | R_k ∅ R_{g1} | kΩ | Katodenwiderstand ∅ Gitterwiderstand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | I_a ∅ I_L ∅ I_{aS} | mA | Anodenstrom im Arbeitspunkt ∅ Leuchtschirmstrom ∅ Anodenstrom im Schwingbetrieb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | $I_{g2(+4)}$ ∅ I_{g3+5} ∅ I_{rG} | mA | Schirmgitterstrom ∅ Raumladegitterstrom | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | S ∅ S_c ∅ S_0 (S_{eff}) | mA/V | Steilheit ∅ Mischsteilh. ∅ Anschwingsteilh. (Eff. Steilh.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | μ ∅ $\mu_{g2/g1}$ | | Leerlaufverstärkungsfaktor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | R_i ∅ r_e [100 MHz] | kΩ | Innenwiderstand ∅ Eingangswiderstand bei 100 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | R_a ∅ $R_{a/a}$ | kΩ | opt. Außenwiderstand ∅ zwischen Anode und Anode | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | $R_{g2(+4)}$ ∅ R_{g3} ∅ R_{g4} | kΩ | Schirmgittervorwiderstand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | $r_{\ddot{a}}$ ∅ V | kΩ ∅ fach | äqu. Rauschwiderstand ∅ Verstärkung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | k | % | Klirrfaktor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | $U_{g\ eff}$ ∅ $U_{g/g\ eff}$ | V | Gitterwechselspannung ∅ zwischen Gitter und Gitter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | P_a ∅ P_{\sim} | W | Sprechleistung ∅ Nutzleistung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | f_{max} ∅ I_d ∅ i_d | MHz mA | obere Grenzfrequenz ∅ Diodenstrom ∅ Diodenspitzenstrom | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | I_k ∅ i_k | mA | Katodenstrom ∅ Katodenspitzenstrom | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | P_{av} | W | max. Anodenverlustleistung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | U_a ∅ \hat{U}_a ∅ \hat{U}_d | V | max. Anodenspannung ∅ Anodenspitzenspannung ∅ Diodenspitzenspannung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | $P_{g2(+4)}$ v ∅ $P_{g3(+5)}$ v ∅ P_{g2dv} | W | max. Schirmgitterbelastung ∅ bei voller Aussteuerung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | $U_{g2(+4)}$ ∅ $U_{g3(+5)}$ ∅ $U_{L\ min}$ u max | V | max. Schirmgitterspannung ∅ Leuchtschirmspannung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | R_{g1} ∅ R_{g3} ∅ R_{g4} | MΩ | max. Gitterwiderstand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | $U_{f/k}$ ∅ $\hat{U}_{l/k}$ | V | Spannung zwischen Katode und Heizfaden | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | $c_{g1/a}$ ∅ $c_{a/k}$ | pF | Gitter/Anode-Kapazität ∅ Anode/Katode-Kapazität | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | c_e ∅ $c_{k/g+f [+s]}$ | pF | Eingangskapazität ∅ in Gitterbasisschaltung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | c_a ∅ $c_{a/g+f [+s]}$ | pF | Ausgangskapazität ∅ in Gitterbasisschaltung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | <table border="1"> <tr> <td colspan="2">Mittelwerte</td> <td>I: 0,2</td> <td>II: 0,15</td> </tr> <tr> <td colspan="2"></td> <td>8,2</td> <td>7,2</td> </tr> <tr> <td colspan="2"></td> <td>5</td> <td>5</td> </tr> </table> | | | | Mittelwerte | | I: 0,2 | II: 0,15 | | | 8,2 | 7,2 | | | 5 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mittelwerte | | I: 0,2 | II: 0,15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 8,2 | 7,2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 5 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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