Subject: HLMP-1700 low current 3 mm red LED
Posted by FL152 on Sat, 07 Apr 2018 21:31:12 GMT
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Many tubes work with relative low current (0,5 ... 2 mA) and have relatively low Ugk voltage („bias"), say -1 ... -2 V. Examples are 12AX7 and 6SL7 „families" of tubes.

/ 2 mA). I put one „specimen" on test. The aim was finding (un)suitability for cathode bias purpose. Graphical „tangent line" way is used to determine dynamic resistance rD .

Figure 1: Forward voltage Uf against applied current If for HLMP-1700 3 mm low current red LED

Figure 2: Dynamic resistance rD vs. applied current If for HLMP-1700 3 mm low current red LED

As can be seen from the graph, dynamic resistance rD has values in tens of Ohms, especially for

acceptable.

File Attachments

1) graf8.tif, downloaded 1845 times
2) graf9.tif, downloaded 1709 times