表1 静态工作点测量表

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| /V | 11.657 | 11.154 | 10.654 | 9.645 | 9.163 | 8.636 | 8.129 | 7.643 | 7.161 | 6.659 |
| /V | 1.116 | 1.633 | 2.142 | 3.161 | 3.645 | 4.178 | 4.688 | 5.193 | 5.670 | 6.170 |
| /V | 0.501 | 1.002 | 1.501 | 2.506 | 2.990 | 3.516 | 4.000 | 4.510 | 5.005 | 5.492 |

在RL=1k**，C1=220pF，C2=220pF，F=1**

|  |  |  |  |
| --- | --- | --- | --- |
| /V | **5.880** | **5.447** | **0.904** |
| /V | **230** | **950** | **28** |
| 振荡频率/MHz | **13.755** | **14.010** | **14.227** |
| 能否起振 | **否** | **是** | **否** |

在RL=1k**，C1=220pF，C2=440pF，F=0.5**

|  |  |  |  |
| --- | --- | --- | --- |
| /V | 5.873 | 53169 | 1.089 |
| /V | 265 | 1050 | 30 |
| 振荡频率/MHz | 13.522 | 13.840 | 13.850 |
| 能否起振 | 否 | 是 | 否 |

在RL=500**，C1=220pF，C2=440pF，F=0.5**

|  |  |  |  |
| --- | --- | --- | --- |
| //V | 5.872 | 5.169 | 1.089 |
| /V | 210 | 1050 | 30 |
| 振荡频率/MHz | 13.613 | 13.840 | 13.850 |
| 能否起振 | 否 | 是 | 否 |

在ZL=500+680pF**，C1=220pF，C2=440pF，F=0.5**

|  |  |  |  |
| --- | --- | --- | --- |
| /V | 2.167 | 5.388 | 5.785 |
| /V | 160 | 625 | 335 |
| 振荡频率/MHz | 9.765 | 9.800 | 9.744 |
| 能否起振 | 否 | 是 | 否 |