|  |  |  |
| --- | --- | --- |
| VDS(V) | VGS(V) | ID (mA) |
| 5 | -5 | 799.287 fA |
|  | -4 | 776.013 fA |
| -2.8 | 51.616 uA |
| -1 | 5,43 |
| -0.5 | 8.46 |
| 0 | 12.133 |
| 13 | -5 | 799.287 fA |
|  | -4 | 776.013 fA |
| -2.8 | 51.616 uA |
| -1 | 5.337 |
| -0.5 | 8.316 |
| 0 | 11.951 |
| 21 | -5 | 799.287 fA |
|  | -4 | 776.013 fA |
| -2.8 | 51.616 uA |
| -1 | 5.415 |
| -0.5 | 8.443 |
| 0 | 12.159 |

**TABLE 1 –>R =100 ohm**

**TABLE 1 – >R = 1Kohm**

|  |  |  |
| --- | --- | --- |
| VDS(V) | VGS(V) | ID (mA) |
| 5 | -5 | 799.439 fA |
|  | -4 | 775.903 fA |
| -2.8 | 52.722 uA |
| -1 | 3.969 |
| -0.5 | 4.226 |
| 0 | 4.368 |
| 13 | -5 | 799.439 fA |
|  | -4 | 775.903 fA |
| -2.8 | 52.722 uA |
| -1 | 5.278 |
| -0.5 | 8.184 |
| 0 | 10.815 |
| 21 | -5 | 799.439 fA |
|  | -4 | 775.903 fA |
| -2.8 | 52.722 uA |
| -1 | 5.370 |
| -0.5 | 8.326 |
| 0 | 11.882 |

**TABLE 2-> R = 100 ohm**

|  |  |  |
| --- | --- | --- |
| VGS(V) | VDS(V) | ID(mA) |
| -3 | 0 | -190.54 fA |
|  | 2 | 650.52 fA |
| 4 | 718.09 fA |
| 6 | 775.903 fA |
| 8 | 826.303 fA |
| 10 | 872.112 fA |
| 12 | 913.664 fA |
| 14 | 951.91 fA |
| 16 | 987.74 fA |
| 20 | 1.0525 pA |
| 23.74 | 1.1078 pA |
| -2 | 0 | -190.54 fA |
|  | 2 | 1.306 |
| 4 | 1.3117 |
| 6 | 1.317 |
| 8 | 1.323 |
| 10 | 1.329 |
| 12 | 1.335 |
| 14 | 1.3407 |
| 16 | 1.347 |
| 18 | 1.352 |
| 20 | 1.358 |
| 24 | 1.3701 |
| -1 | 0 | -190.54 fA |
|  | 2 | 4.88 |
| 4 | 5.22 |
| 6 | 5.25 |
| 8 | 5.27 |
| 10 | 5.29 |
| 12 | 5.32 |
| 14 | 5.34 |
| 16 | 5.36 |
| 18 | 5.39 |
| 20 | 5.41 |
| 24 | 5.46 |
| 0 | 0 | -190.54 fA |
|  | 2 | 7.61 |
| 4 | 11.66 |
| 6 | 11.76 |
| 8 | 11.82 |
| 10 | 11.87 |
| 12 | 11.92 |
| 14 | 11.97 |
| 16 | 12.02 |
| 18 | 12.08 |
| 20 | 12.13 |
| 24 | 12.23 |

**TABLE 2 –> R = 1Kohm**

|  |  |  |
| --- | --- | --- |
| VGS(V) | VDS(V) | ID(mA) |
| -3 | 0 | -468.828 fA |
|  | 2 | 650.523 fA |
| 4 | 718.270 fA |
| 6 | 775.903 fA |
| 8 | 826.577 fA |
| 10 | 872.112 fA |
| 12 | 913.664 fA |
| 14 | 952.021 fA |
| 16 | 987.747 fA |
| 20 | 1.052 pA |
| 23.74 | 1.107 pA |
| -2 | 0 | -468.828 fA |
|  | 2 | 1.231 |
| 4 | 1.308 |
| 6 | 1.314 |
| 8 | 1.3201 |
| 10 | 1.325 |
| 12 | 1.331 |
| 14 | 1.337 |
| 16 | 1.343 |
| 18 | 1.349 |
| 20 | 1.355 |
| 24 | 1.366 |
| -1 | 0 | -468.828 fA |
|  | 2 | 1.6501 |
| 4 | 3.227 |
| 6 | 4.645 |
| 8 | 5.2204 |
| 10 | 5.244 |
| 12 | 5.267 |
| 14 | 5.2902 |
| 16 | 5.313 |
| 18 | 5.335 |
| 20 | 5.358 |
| 24 | 5.404 |
| 0 | 0 | -468.828 fA |
|  | 2 | 1.7621 |
| 4 | 3.505 |
| 6 | 5.224 |
| 8 | 6.909 |
| 10 | 8.545 |
| 12 | 10.097 |
| 14 | 11.443 |
| 16 | 11.755 |
| 18 | 11.806 |
| 20 | 11.857 |
| 24 | 11.957 |

**TABLE 3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| RMS VALUES | AV | AI | AZ(kohm) | AY(kohm^-1) |
| Vg = 6.9007 mV | 5.339 | -24.494 \* 10^9 | -1.219 \* 10^9 | 0.78 |
| Vd = 36.847 mV |
| Ig = -29.91pA |
| Id = 5.416 mA |