|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Input configuration | D | C | B | A | Output Voltage, Vo(V) |
| 1 | 0 | 0 | 0 | 0 | 0.00271 |
| 2 | 0 | 0 | 0 | 1 | -0.497 |
| 3 | 0 | 0 | 1 | 0 | -0.997 |
| 4 | 0 | 0 | 1 | 1 | -1.497 |
| 5 | 0 | 1 | 0 | 0 | -1.997 |
| 6 | 0 | 1 | 0 | 1 | -2.497 |
| 7 | 0 | 1 | 1 | 0 | -2.997 |
| 8 | 0 | 1 | 1 | 1 | -3.497 |
| 9 | 1 | 0 | 0 | 0 | -3.997 |
| 10 | 1 | 0 | 0 | 1 | -4.497 |
| 11 | 1 | 0 | 1 | 0 | -4.997 |
| 12 | 1 | 0 | 1 | 1 | -5.497 |
| 13 | 1 | 1 | 0 | 0 | -5.997 |
| 14 | 1 | 1 | 0 | 1 | -6.497 |
| 15 | 1 | 1 | 1 | 0 | -6.997 |
| 16 | 1 | 1 | 1 | 1 | -7.497 |

Datasheet for circuit 1:

Datasheet for circuit 2:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Input configuration | D | C | B | A | Output Voltage, Vo(V) |
| 1 | 0 | 0 | 0 | 0 | 0.00495 |
| 2 | 0 | 0 | 0 | 1 | -0.620 |
| 3 | 0 | 0 | 1 | 0 | -1.245 |
| 4 | 0 | 0 | 1 | 1 | -1.869 |
| 5 | 0 | 1 | 0 | 0 | -2.495 |
| 6 | 0 | 1 | 0 | 1 | -3.119 |
| 7 | 0 | 1 | 1 | 0 | -3.744 |
| 8 | 0 | 1 | 1 | 1 | -4.369 |
| 9 | 1 | 0 | 0 | 0 | -4.995 |
| 10 | 1 | 0 | 0 | 1 | -5.619 |
| 11 | 1 | 0 | 1 | 0 | -6.245 |
| 12 | 1 | 0 | 1 | 1 | -6.869 |
| 13 | 1 | 1 | 0 | 0 | -7.491 |
| 14 | 1 | 1 | 0 | 1 | -8.119 |
| 15 | 1 | 1 | 1 | 0 | -8.745 |
| 16 | 1 | 1 | 1 | 1 | -9.369 |