|  |  |  |
| --- | --- | --- |
| Voltage Range (V) | Internal Layers(mil) | External Layers(mil) |
| 0-15 | >1.97 | >3.94 |
| 16-30 | >1.97 | >3.94 |
| 31-50 | >3.94 | >23.62 |
| 51-100 | >3.94 | >23.62 |
| 101-150 | >7.87 | >23.62 |
| 151-170 | >7.87 | >49.21 |
| **171-250** | **>7.87** | **>49.21** |
| 251-300 | >7.87 | >49.21 |
| 301-500 | >9.84 | >98.43 |
| >500 | >9.94 | >98.62 |

**Distance Between Lines According To The Voltage Level**

**Calculated with IPC-2221B VALUES**

**Capacity Of Current According To The Lınes Wıthdes**

|  |  |  |
| --- | --- | --- |
| Current Capacity(A) | Internal Layers(mil) | External Layers(mil) |
| <0.94 | 10 | 10 |
| <1.23 | 15 | 15 |
| <1.47 | 20 | 20 |
| <1.69 | 25 | 25 |
| <1.89 | 30 | 30 |
| <2.08 | 35 | 35 |
| <2.25 | 40 | 40 |
| <2.42 | 45 | 45 |
| <2.58 | 50 | 50 |
| <2.73 | 55 | 55 |
| <3.15 | 70 | 70 |

**Calculated with IPC-21525 VALUES (Material FR-4 STD)**