For 10Khz Frequency, 1kΩ Resistance, 10mH Inductance, 10 nF Capacitance

TABLE:1

|  |  |  |  |
| --- | --- | --- | --- |
|  | Theoretical | Experimental | %Deviation |
| XC | 1591.55 Ω | 1612.9 Ω | 1.32 % |
| XL | 628.32 Ω | 625 Ω | 0.53 % |
| Z | 1388.46 Ω | 1405.68 Ω | 1.23 % |
| ϴ | -43.93 Deg | -44.65 Deg | 1.61 % |

TABLE:2

|  |  |  |  |
| --- | --- | --- | --- |
|  | Theoretical | Experimental | %Deviation |
| IC | 6.28 mA | 6.20mA | 1.27 % |
| IL | 15.9 mA | 16 mA | 0.63 % |
| IR | 10 mA | 10 mA | 0 % |
| IS | 32.18 mA | 32.2 mA | 0.06 % |