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$V = \text{Voltage drop across resistor } R_1 + \text{voltage drop across resistor } R_2 + \text{voltage drop across resistor } R_3$. According to Ohm's law, the electrical resistance of an electrical circuit is given by V / I and that is R . Therefore, So, effective resistance of the series DC circuit is .

Series And Parallel DC Circuits Explained (Examples ...

5. What is electric circuit or electric network? The combination of various electrical elements such as resistors, capacitors and inductors along with various energy sources such as voltage and current sources is called electric circuit or electric network. 6. Define Independent source.

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