## Current Electricity Equations and Data Sheet

$$
\begin{array}{lll}
I=Q / t & R=V / I & 1 C=6.25 \times 10^{18} \text { charges } \\
Q=\text { It } & V=I R & V=E / Q
\end{array}
$$

| Common Prefixes used with SI Units |  |  |  |
| :---: | :---: | :--- | :---: |
| Prefix | Symbol | Meaning | Order of Magnitude |
| giga- | $G$ | 1000000000 | $10^{9}$ |
| mega- | M | 1000000 | $10^{6}$ |
| kilo- | k | 1000 | $10^{3}$ |
| hecto- | h | 100 | $10^{2}$ |
| deka- | da | 10 | $10^{1}$ |
|  | base unit | 1 | $10^{0}$ |
| deci- | d | 0.1 | $10^{-1}$ |
| centi- | C | 0.01 | $10^{-2}$ |
| milli- | m | 0.001 | $10^{-3}$ |
| micro- | H | 0.000001 | $10^{-6}$ |
| nano- | n | 0.000000001 | $10^{-9}$ |



