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## AC WAVEFORMS AND THEIR MEASUREMENT

Lesson 10 EET 150

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Measurement Abbreviations, Definitions and Relationships

Peak Measurement:  $V_p$  or  $I_p$ Peak-to-peak Measurement:  $V_{pp}$  or  $I_{pp}$ RMS (root mean square) Measurement:  $V_{rms}$  or  $I_{rms}$ 

$$\begin{split} V_{pp} &= 2V_p \text{ for sine wave} \\ I_{pp} &= 2I_p \text{ for sine wave} \\ V_{rms} &= 0.707V_p \\ I_{rms} &= 0.707I_p \end{split}$$

RMS values of V and I given equivalent power to dc values of V and I















