

$$\frac{8V}{2^3} = \frac{8V}{8} = 1V/\text{step}$$

$$1\text{step} = \text{LSB}$$

$$\pm \frac{1}{2} \text{LSB} \Rightarrow \pm \underline{0.5V}$$

$$R_{\text{es}} \quad \frac{100}{2^3} = 12.5\%$$