

$$\textit{Gain Error Compensation Coefficient} = \frac{\frac{14}{16} \times 4095}{(\frac{15}{16} \times \textit{AVDD Result} - \frac{1}{16} \times \textit{AVDD Result})}$$

$$\textit{Offset Error} = \frac{1}{16} \times \textit{AVDD Result} - \frac{\frac{1}{16} \times 4095}{\textit{Gain Error Compensation Coefficient}}$$