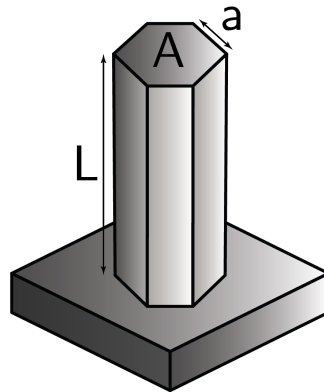# Fins - Parameter 3

Determine the fin parameter m^2 for the shown fin geometry.

Given the standard definition of the fin parameter:

$$m^2 = \frac{\alpha \cdot U}{\lambda \cdot A_{\mathrm{c}}}$$

Where the circumference can be stated as follows:

$$U = 6a$$

And the cross-sectional area:

$$A_{\mathrm{c}} = A$$

Which gives:

$$m^2 = \frac{6\alpha a}{\lambda A}$$