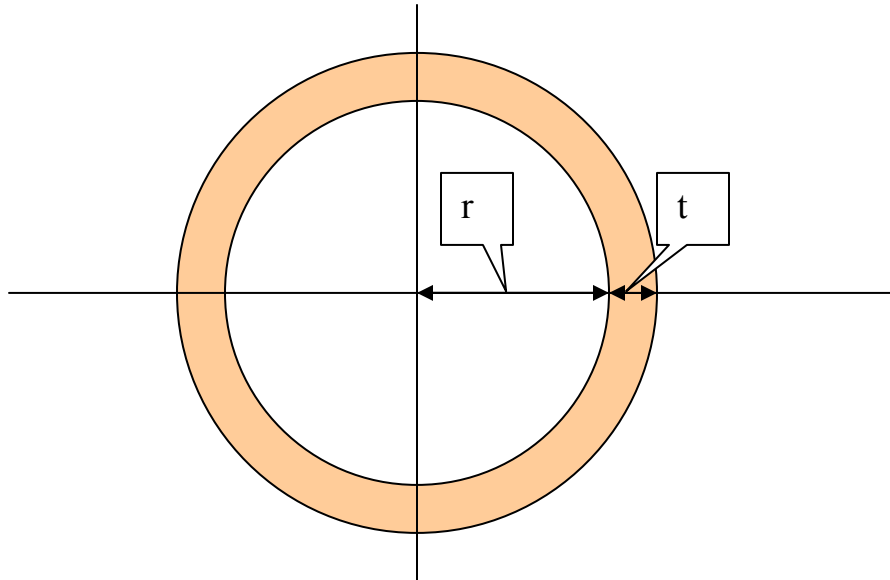


Cross Sectional Copper Area of a Via



r = inner circle radius

t = plating thickness

d = inner circle diameter (finished hole diameter) = $2r$

Area of outer circle = $\pi(r + t)^2 = \pi(r^2 + 2rt + t^2)$

Area of inner circle = πr^2

Area of outer minus inner circle = $\pi(2rt + t^2) = \pi t(2r + t) = \pi t(d + t)$