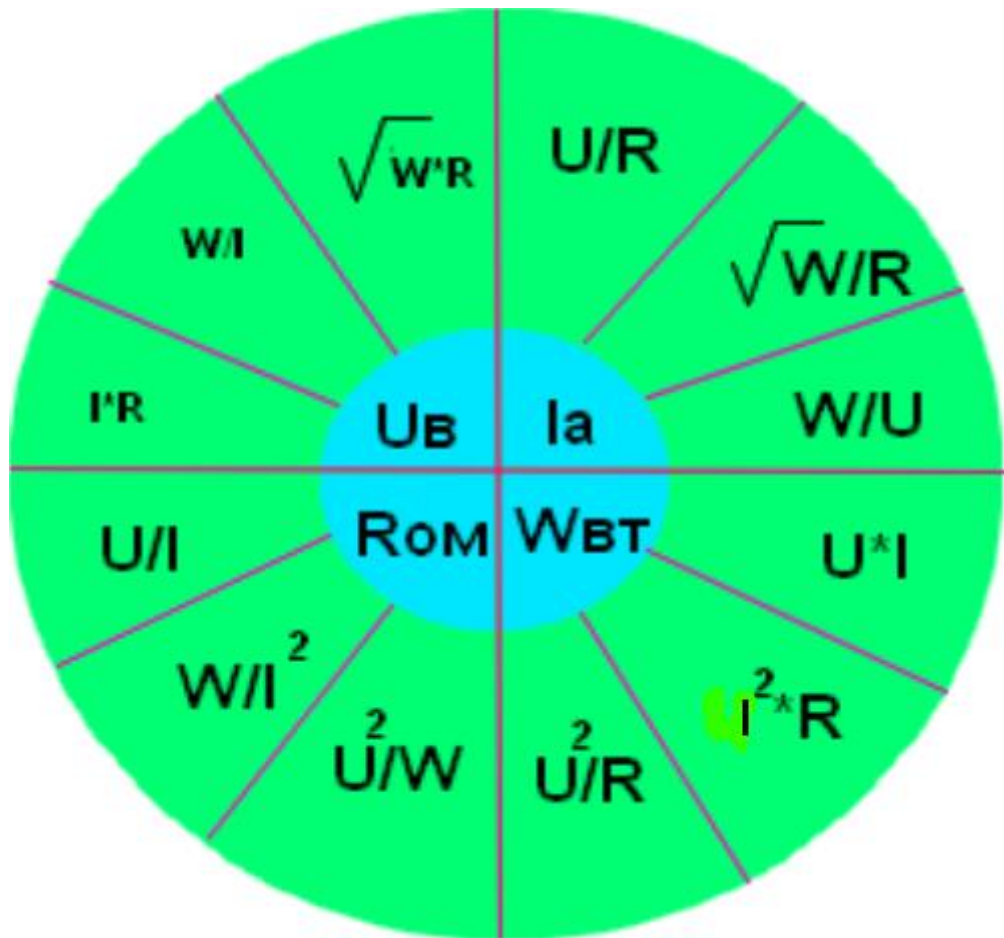


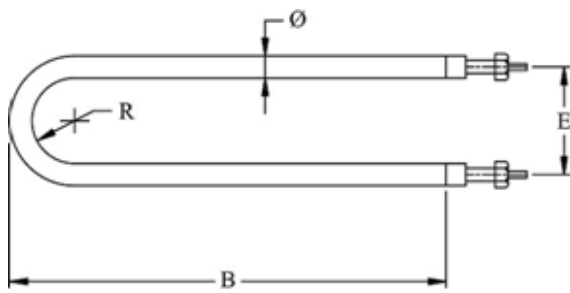
Математика для ТЭН



УДЕЛЬНАЯ МОЩНОСТЬ ТЭН Вт/см²

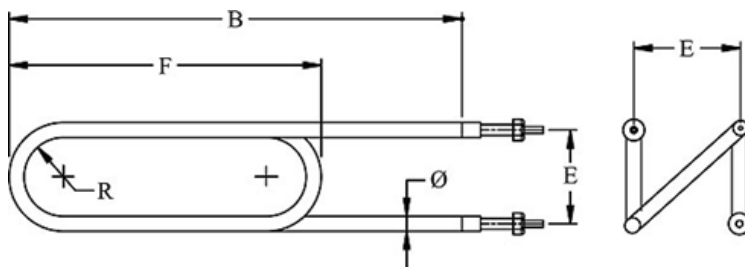
$$G_{\text{Вт.нагр/}} = P_{\text{Вт}} / (3,14 \times D_{\text{ТЭН/см}} \times L_{\text{актив.дл.тэна,см/}})$$

РАЗВЕРНУТАЯ ДЛИНА ТЭН

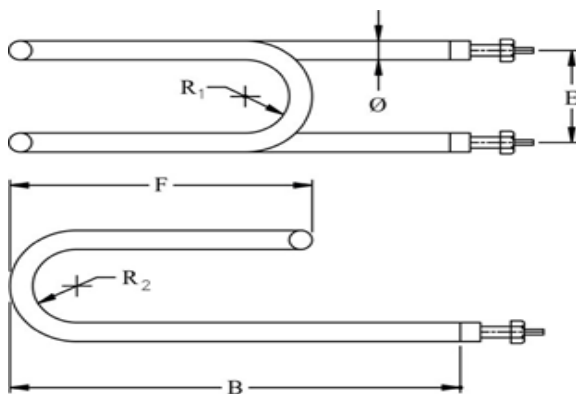


$$L=2B+1.14R-43\varnothing$$

$$E=2R+\varnothing$$

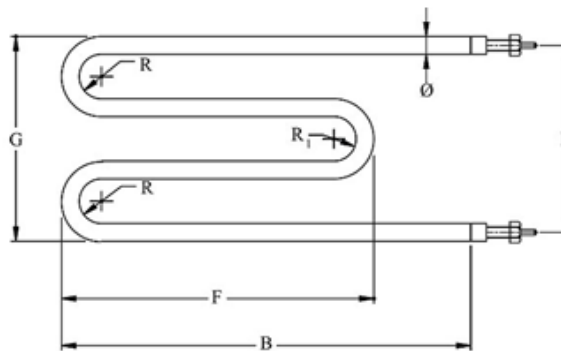


$$L=2B+3.42R-1.29\varnothing+2F$$



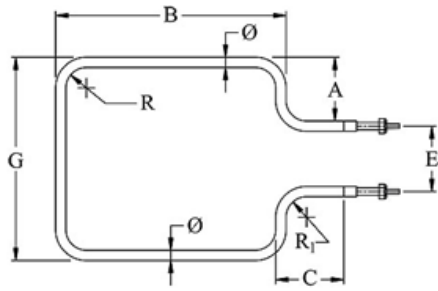
$$L=2B+2.28R_2-1.29\varnothing+2F+1.14R_1$$

$$E=2R_1+\varnothing$$



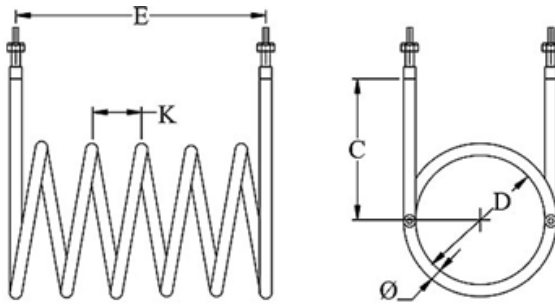
$$L=2B+2.28R-1.29\varnothing+2F+1.14R_1$$

$$G=F+\varnothing$$

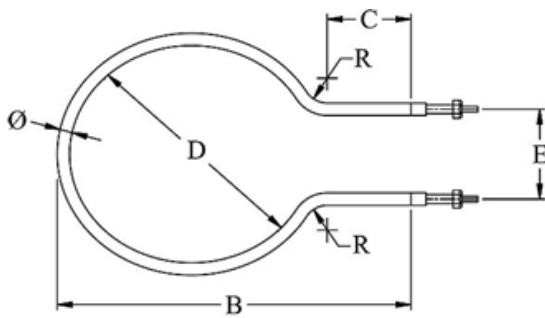


$$L=2C+2G+2B-E-1.72R-.86R_1-.6.29\varnothing$$

$$A=\frac{(G-(E-\varnothing))}{2}$$



$$L=((D+\varnothing)(3.14)\times N\text{-кол-во витков})+2C$$



$$L=3.14D+1.14R+2C-3.71\varnothing-E$$