A max Anin Max Parstand
A min Min Parstand
A teneration

We was a stop fand limit

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Buttenworth Filter  $|H(S\omega)|^2 = (\omega_0)^2 / (\omega_0)^2 / (\omega_0)^2 + (\omega_0)^2 / (\omega_0)^2 + (\omega_0)^2 / (\omega$ 



We Can use this expression at values to find significant point.

e.g.  $A_{max} = A(\omega_p)$   $A_{min} = A(\omega_s)$ 

We can use algebra to solve for  $W_0: W_0 = \frac{W_0}{(10^{\text{Amin/10}})^{1/2}}$   $W_0 = \frac{W_0}{(10^{\text{A nort/10}})^{1/2}}$   $W_0 = \frac{W_0}{(10^{\text{A nort/10}})^{1/2}}$   $W_0 = \frac{W_0}{(10^{\text{A nort/10}})^{1/2}}$ 

equal to each other eve can solve for 1
what is filter Order

h (10 A min/10-1)

h (10 A max/10-1)

2 ln ( \omega\_s/\omega\_{-1})

2 ln ( \omega\_s/\omega\_{-1})