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$$\Omega = -\Omega p \qquad \frac{\hat{\Omega}_{0}^{2} - \hat{\Omega}^{2}}{\hat{\Omega} \left(\hat{\Omega}_{p2} - \hat{\Omega}_{p1} \right)} \qquad \text{overage of passband edge frequencies in dB}$$

$$\Omega = -\Omega p \qquad \hat{\Omega}_{0}^{2} - \hat{\Omega}^{2} \qquad \text{overage of passband edge frequencies in dB}$$

$$\Omega = -\Omega p \qquad \hat{\Omega}_{0}^{2} - \hat{\Omega}_{p1} \qquad \text{overage of passband edge frequencies in dB}$$

$$\Omega = (\hat{\Omega}_{p2} - \hat{\Omega}_{p1}) = \hat{\Omega}^{2} - \hat{\Omega}_{p1} \qquad \hat{\Omega}_{p2} \qquad \text{for the proof } \hat{\Omega}_{0}^{2} = \hat{\Omega}_{p1} \hat{\Omega}_{p2}$$

$$\Omega = (\hat{\Omega}_{p2} - \hat{\Omega}_{p1}) = \hat{\Omega}^{2} - \hat{\Omega}_{p1} \hat{\Omega}_{p2} = 0$$

$$\Omega = 1, \quad b = \mp (\hat{\Omega}_{p2} - \hat{\Omega}_{p1}) + \hat{\Omega}_{p1} \hat{\Omega}_{p2} = 0$$

$$\Omega = -(\hat{\Omega}_{p2} - \hat{\Omega}_{p1}) + \hat{\Omega}_{p1} + \hat{\Omega}_{p1} \hat{\Omega}_{p2}$$

$$\Omega = -(\hat{\Omega}_{p2} - \hat{\Omega}_{p1}) + \hat{\Omega}_{p1} + \hat{\Omega}_{p1} \hat{\Omega}_{p2}$$

$$\Omega = -\Omega p$$



