$$H\left(e^{j\omega}\right) = 1 - e^{-jw}$$

$$H\left(e^{j\omega}\right) = e^{-j\frac{\omega}{2}} \left(e^{+j\frac{w}{2}} - e^{-j\frac{\omega}{2}}\right)$$

$$H\left(e^{j\omega}\right) = e^{-j\frac{\omega}{2}} \cdot \left(2j \cdot \sin\left(\frac{\omega}{2}\right)\right)$$

$$\left|H\left(e^{j\omega}\right)\right| = \left|j \cdot e^{-j\frac{\omega}{2}}\right| \left|2 \cdot \sin\left(\frac{\omega}{2}\right)\right|$$

$$\left|H\left(e^{j\omega}\right)\right| = \left|e^{-j\frac{\omega}{2} + \frac{\pi}{2}}\right| \left|2 \cdot \sin\left(\frac{\omega}{2}\right)\right|$$

 $\left| H\left(e^{j\omega}\right) \right| = \left| 2 \cdot \sin\left(\frac{\omega}{2}\right) \right|$