$$\bar{v} = \frac{1}{2\pi c} \sqrt{\frac{k}{\mu}}$$

$$2\pi \bar{\nu}c = \sqrt{\frac{k}{\mu}}$$
 $(2\pi \bar{\nu}c)^2 = \frac{k}{\mu}$ 
 $\mu(2\pi \bar{\nu}c)^2 = k$ .
 $4\pi^2 \bar{\nu}^2 c^2 \mu = k$ .

Determine units q k.

Units.

$$(m^{-1})^2 \cdot (m s^{-1})^2 kg = k.$$
  
 $m^2 m^2 s^{-2} kg = k.$   
 $kg s^{-2} = k.$ 

$$k \Rightarrow N m^{-1}$$
 $kg m s^{-2}$ 

$$= kg m s^{-2} m^{-1}$$