

$$\begin{bmatrix} P_{x}^{(2)}(\omega) \\ P_{y}^{(2)}(\omega) \\ P_{z}^{(2)}(\omega) \end{bmatrix} = 2\varepsilon_{0} \int_{-\infty}^{+\infty} \begin{bmatrix} 0 & 0 & 0 & 0 & d_{13} - d_{22} \\ -d_{22} & d_{23} & 0 & d_{13} & 0 & 0 \\ d_{31} & d_{33} & d_{33} & 0 & 0 & 0 \end{bmatrix} (\omega) \cdot \begin{bmatrix} E_{x}(\Omega)E_{x}(\omega - \Omega) \\ E_{y}(\Omega)E_{y}(\omega - \Omega) \\ E_{z}(\Omega)E_{z}(\omega - \Omega) \\ 2E_{x}(\Omega)E_{z}(\omega - \Omega) \\ 2E_{x}(\Omega)E_{z}(\omega - \Omega) \\ 2E_{x}(\Omega)E_{y}(\omega - \Omega) \end{bmatrix}$$

$$\Leftrightarrow \psi \text{ Then the proof of t$$

 $P^{(2)}(\omega) = 0$