$$G^{\rm bos}(\epsilon_\pm) = \left\langle \exp\left[-\epsilon_- \int d^2z\, \partial X (Z^1 \bar\partial Z^2 + \bar Z^2 \bar\partial \bar Z^1) - \epsilon_+ \int d^2z\, (Z^1 \partial \bar Z^2 + Z^2 \partial \bar Z^1) \bar\partial X \right] \right\rangle$$

$$= \frac{(2\pi)^2 (\epsilon_-^2 - \epsilon_+^2)\, \bar\eta(\bar\tau)^6}{\bar\theta_1(\tilde\epsilon_- - \tilde\epsilon_+;\bar\tau)\, \bar\theta_1(\tilde\epsilon_- + \tilde\epsilon_+;\bar\tau)}\; e^{-\frac{\pi}{\tau_2}(\tilde\epsilon_-^2 + \tilde\epsilon_+^2)} \times G_{\text{non-hol}}(\epsilon_\pm)$$