

General Data

TEST Waveforms

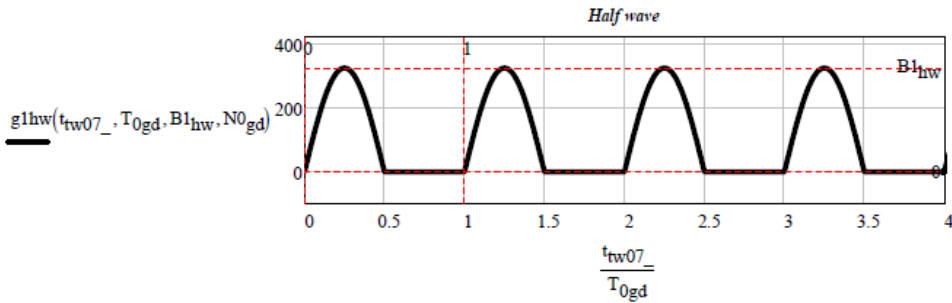
Periodic Waveforms Periodic Waveforms Periodic Waveforms

1) Half wave

Data file "general data.xmcd"

Amplitude: $B1_{hw} := 230 \cdot \sqrt{2} \cdot V$

$T_{hw} := 10 \cdot \mu s$ Angular frequency: $\omega_{hw} := \frac{2 \cdot \pi}{T_{0gd}}$



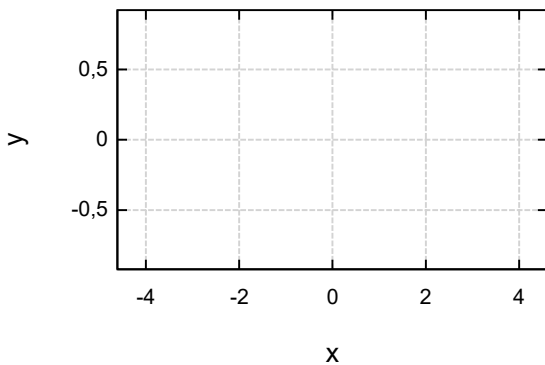
$B1_{hw} := 230 \cdot V \cdot \sqrt{2}$ $\omega_{hw} := \frac{2 \cdot \pi}{T_{0gd}}$ $\tau_{tpd} := 250 \mu s$

$t_{tw07} := \left[0, \frac{200 \cdot \tau_{tpd}}{5000} .. (200 \cdot \tau_{tpd}) \right]$

$rect1(t, risingedge, width) := (t - risingedge) - (t - (width + risingedge))$

$g1hw(t, T_{hw}, B1_{hw}, N0_{gd}) := B1_{hw} \cdot \sum_{k=0}^{N0_{gd}} \left(rect1 \left(t - k \cdot T_{hw}, -1 \cdot T_{hw}, \frac{T_{hw}}{2} \right) \cdot \sin \left(\frac{2 \cdot \pi}{T_{hw}} \cdot t \right) \right)$

$t := [0, .1 \text{ ms} .. (50 \text{ ms})]$



$augment \left(\frac{t_{tw07}}{T_{0gd}}, \frac{g1hw(t, T_{hw}, B1_{hw}, N0_{gd})}{V} \right) = \blacksquare$

$augment \left(\frac{t_{tw07}}{t_{0gd}}, \frac{g1hw(t, T_{hw}, B1_{hw}, N0_{gd})}{V} \right)$