

General Optocoupler V1

This is a Simplis simulation model of a simple general purpose opto-coupler. The CTR of the opto is controlled by gain of F1. I.E. for a CTR=200%, F1 gain = 2. The roll-off frequency of the opto is controlled by C1 where the value is set to $1/(2\pi F_{bw})$ and F_{bw} is the bandwidth

This does not model the CTR or the frequency roll-off varying with the LED current .