

Transmissive Optical Sensor with Vishay Semiconductors Phototransistor Output

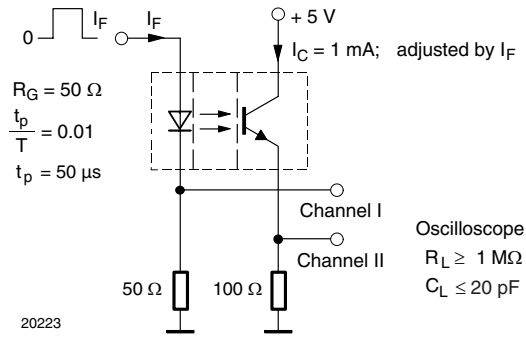


Fig. 2 - Test Circuit for t_{on} and t_{off}

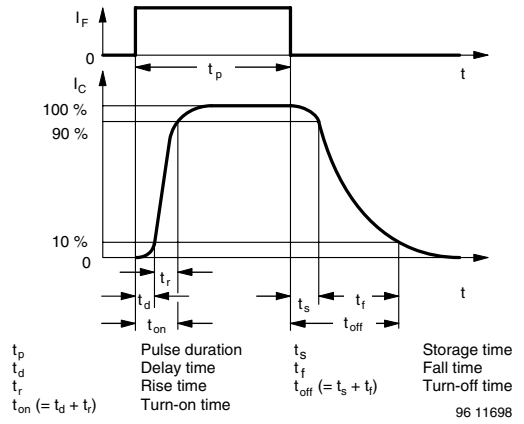
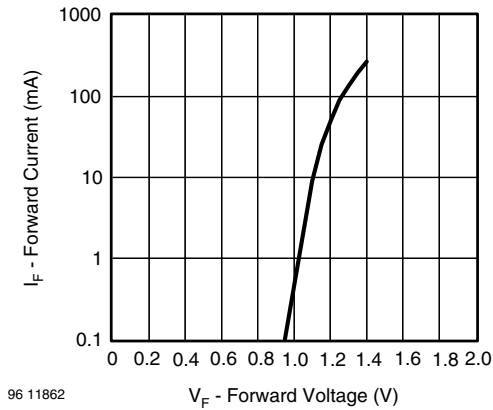


Fig. 3 - Switching Times

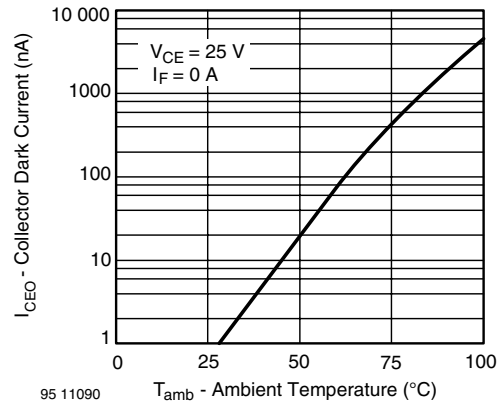
BASIC CHARACTERISTICS

$T_{amb} = 25\text{ }^\circ\text{C}$, unless otherwise specified



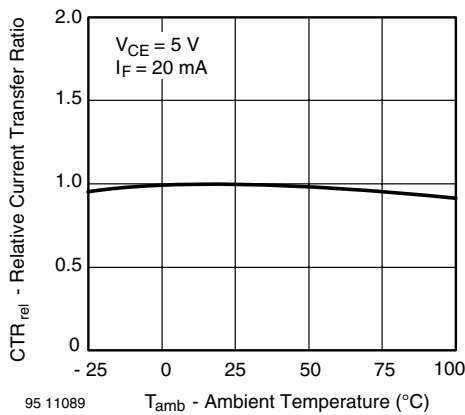
96 11862

Fig. 4 - Forward Current vs. Forward Voltage



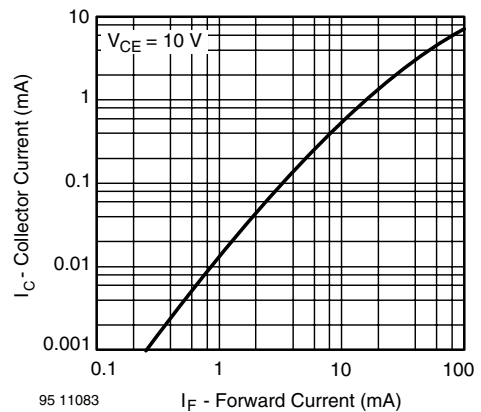
95 11090

Fig. 6 - Collector Dark Current vs. Ambient Temperature



95 11089

Fig. 5 - Relative Current Transfer Ratio vs. Ambient Temperature



95 11083

Fig. 7 - Collector Current vs. Forward Current

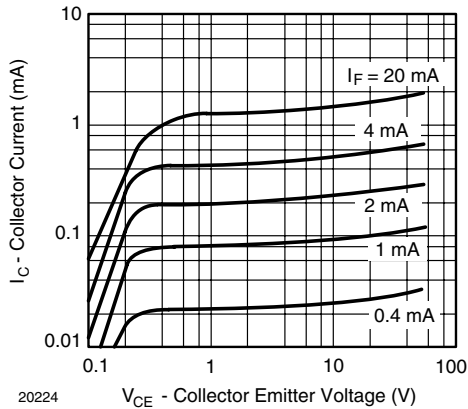


Fig. 8 - Collector Current vs. Collector Emitter Voltage

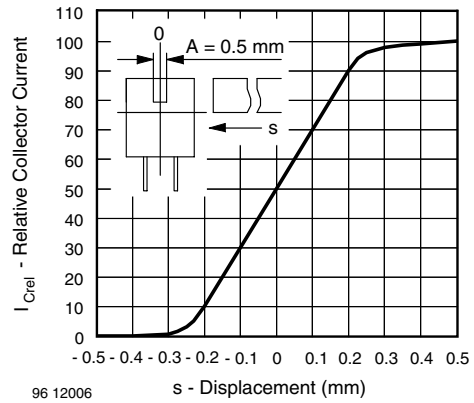


Fig. 11 - Relative Collector Current vs. Displacement

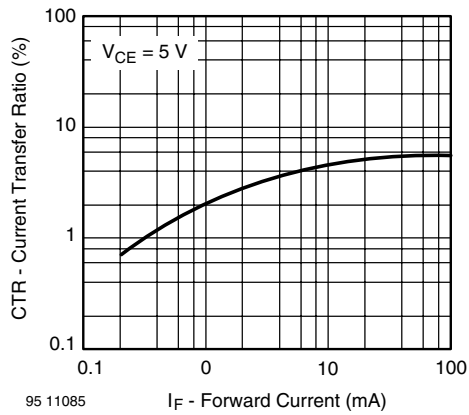


Fig. 9 - Current Transfer Ratio vs. Forward Current

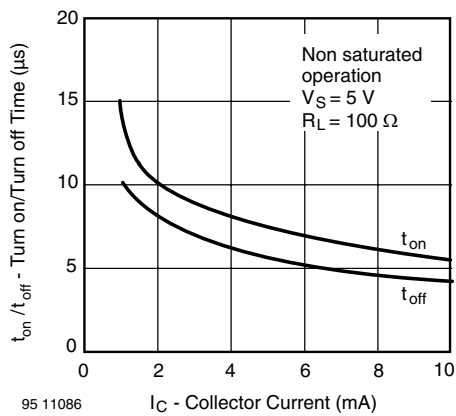


Fig. 10 - Turn-on/Turn-off Time vs. Collector Current