BASIC CHARACTERISTICS (1)							
PARAMETER	**TEST CONDITION**	**PART**	**SYMBOL**	**MIN.**	**TYP.**	**MAX.**	**UNIT**
INPUT (EMITTER)							
Forward voltage	I_F = 60 mA		V_F		1.25	1.6	V
Junction capacitance	V_R = 0 V, f = 1 MHz		C_j		50		pF
OUTPUT (DETECTOR)							
Collector emitter voltage	I_C = 1 mA		V_{CEO}	70			V
Emitter collector voltage	I_E = 10 µA		V_{ECO}	7			V
Collector dark current	V_{CE} = 25 V, I_F = 0 A, E = 0 lx		I_{CEO}			100	nA
SWITCHING CHARACTERISTICS							
Turn-on time	I_C = 2 mA, V_S = 5 V, R_L = 100 Ω (see figure 2)		t_{on}		10		µs
Turn-off time	I_C = 2 mA, V_S = 5 V, R_L = 100 Ω (see figure 2)		t_{off}		8		µs

Note

(1) T_{amb} = 25 °C, unless otherwise specified

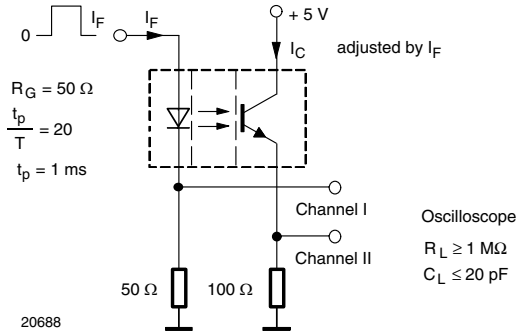

Fig. 2 - Test Circuit for t_{on} and t_{off}

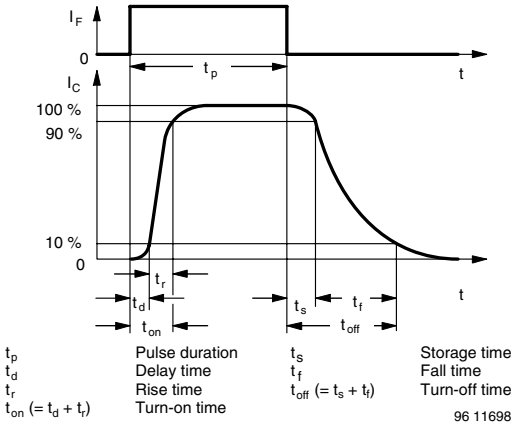

Fig. 3 - Switching Times

BASIC CHARACTERISTICS

T_{amb} = 25 °C, unless otherwise specified

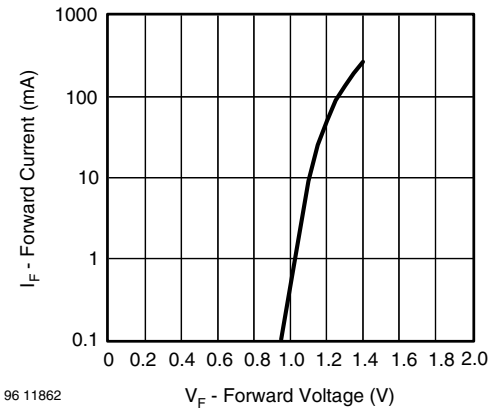

Fig. 4 - Forward Current vs. Forward Voltage

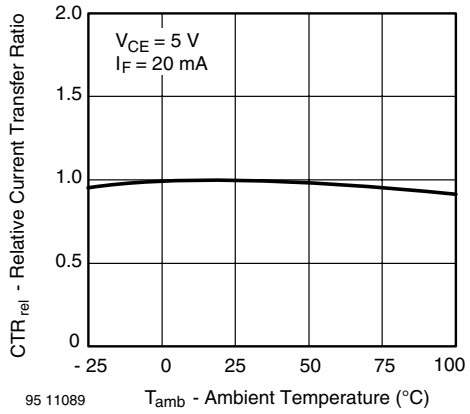

Fig. 5 - Relative Current Transfer Ratio vs. Ambient Temperature

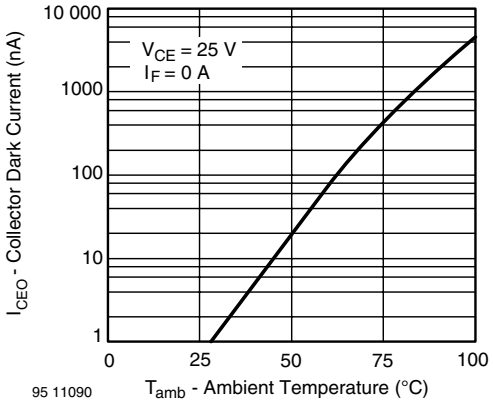

Fig. 6 - Collector Dark Current vs. Ambient Temperature

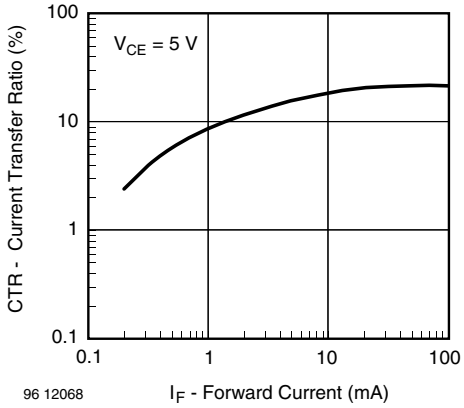

Fig. 9 - Current Transfer Ratio vs. Forward Current

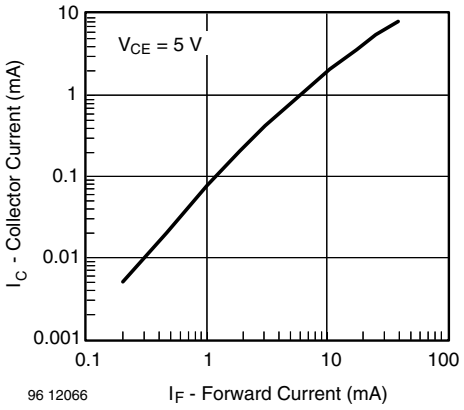

Fig. 7 - Collector Current vs. Forward Current

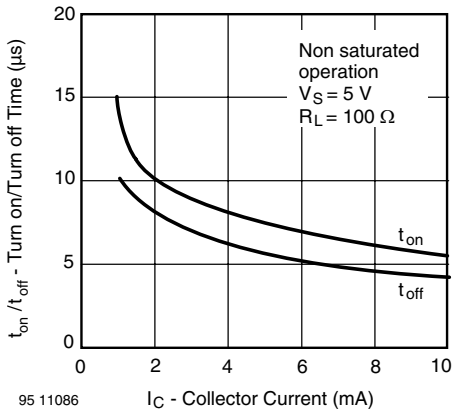

Fig. 10 - Turn-off/Turn-on Time vs. Collector Current

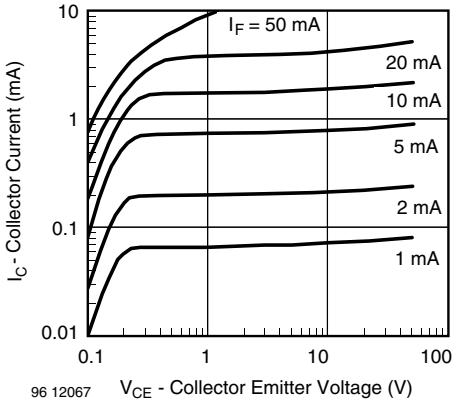

Fig. 8 - Collector Current vs. Collector Emitter Voltage

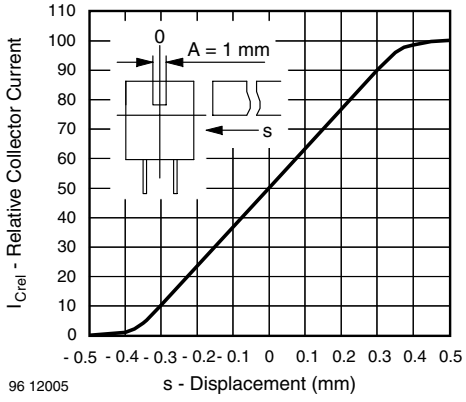

Fig. 11 - Relative Collector Current vs. Displacement