

Parameter		Symbol	Values	Unit
Capacitance ($V_{CE} = 0\text{ V}$, $f = 1\text{ MHz}$, $E = 0$)	(typ)	C_{CE}	5	pF
Dark current ($V_{CE} = 16\text{ V}$, $E = 0$)	(typ (max))	I_{CE0}	1 (≤ 50)	nA
Photocurrent (ambient light sensitivity) ($V_{CE} = 5\text{ V}$, $E_V = 1000\text{ lx}$)	(typ)	I_{PCE}	1	mA

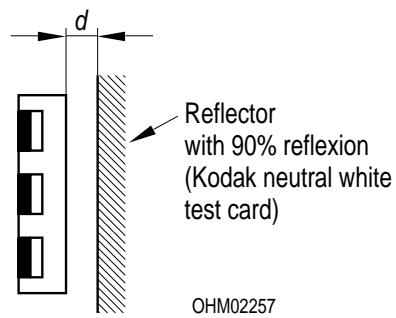
Interrupter

Collector-emitter current (Kodak neutral white testcard with 90% reflection; $I_F = 10\text{ mA}$, $V_{CE} = 5\text{ V}$, $d = 1\text{ mm}$)	(min)	I_{PCE}	160	μA
	(typ)	I_{PCE}	600	μA
	(max)	I_{PCE}	2000	μA
Collector-emitter saturation voltage (Kodak neutral white testcard with 90% reflection; $I_F = 10\text{ mA}$, $I_C = 55\text{ }\mu\text{A}$, $d = 1\text{ mm}$)	(typ (max))	V_{CEsat}	200 (< 600)	mV

Switching Times

Turn-on time ^{2) page 14} ($V_{CC} = 5\text{ V}$, $I_C = 100\text{ }\mu\text{A}$, $R_L = 1\text{ k}\Omega$)	(typ)	t_{on}	40	μs
Rise time ^{2) page 14} ($V_{CC} = 5\text{ V}$, $I_C = 100\text{ }\mu\text{A}$, $R_L = 1\text{ k}\Omega$)	(typ)	t_r	30	μs
Turn-off time ^{2) page 14} ($V_{CC} = 5\text{ V}$, $I_C = 100\text{ }\mu\text{A}$, $R_L = 1\text{ k}\Omega$)	(typ)	t_{off}	45	μs
Fall time ^{2) page 14} ($V_{CC} = 5\text{ V}$, $I_C = 100\text{ }\mu\text{A}$, $R_L = 1\text{ k}\Omega$)	(typ)	t_f	40	μs

Mechanical test setup



Test Circuit for Switching and Response Time

