

ELECTRICAL CHARACTERISTICS (25°C unless otherwise noted)

Parameter		Min.	Typ	Max.	Units	Test Condition
Input	Forward Voltage (V_F)			1.4	Volt	$I_F = 20 \text{ mA}$
	Reverse Current (I_R)			10	μA	$V_R = 4\text{V}$
Output	Collector-emitter Voltage (BV_{CEO})	35			Volt	$I_C = 1\text{mA}$
	Emitter-collector Voltage (BV_{ECO})	6			Volt	$I_E = 0.1 \text{ mA}$
	Collector-emitter Dark Current (I_{CEO})			100	nA	$V_{CE} = 20 \text{ V}$
Coupled	DC Current Transfer Ratio (CTR)	50		400	%	$I_F = 5\text{mA}$, $V_{CE} = 5\text{V}$
	Collector-emitter Saturation Voltage $V_{CE}(\text{Sat})$		0.1	0.2	Volt	$I_F = 20 \text{ mA}$, $I_C = 1 \text{ mA}$
	Floating Capacitance (C_F)		0.6	1.0	pf	$V = 0$, $f = 1 \text{ mhz}$
	Input-to-Output Isolation Resistance R_{iso}	5×10^{10}	10^{11}		ohm	$V_{IO} = 500\text{V}$ (see note 1)
	Inout to Output Isolation Voltage	5000			V_{RMS}	(note 1)($t = 1 \text{ Min}$)
	Output Turn - on Time (t_{on})		3.0		μS	$I_C = 2\text{mA}$, $V_{CC} = 10\text{V}$
	Output Turn - off Time (t_{off})		2.5		μS	$R_L = 100\Omega$ Fig 1

Note 1. Measured with input leads shorted together and output leads shorted together.

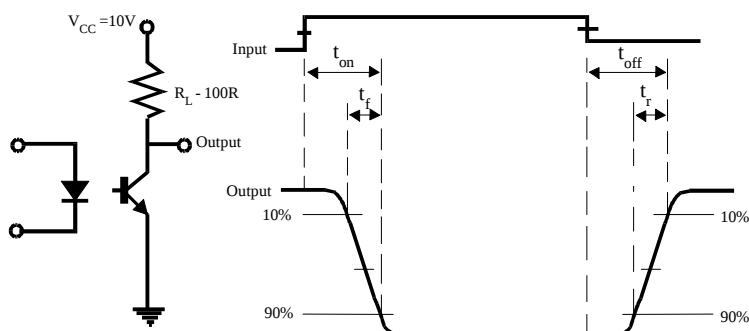


FIG 1