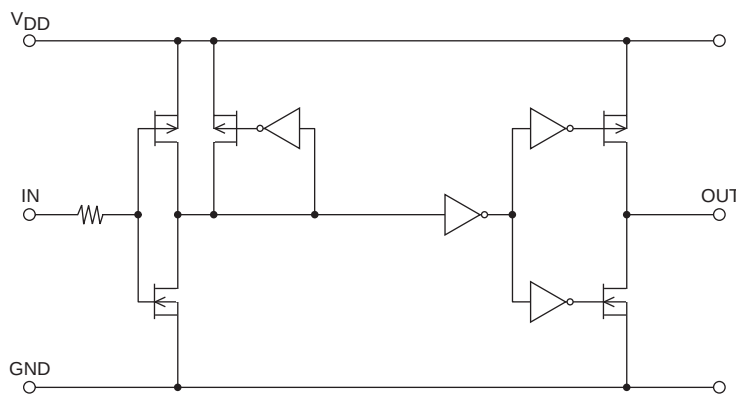
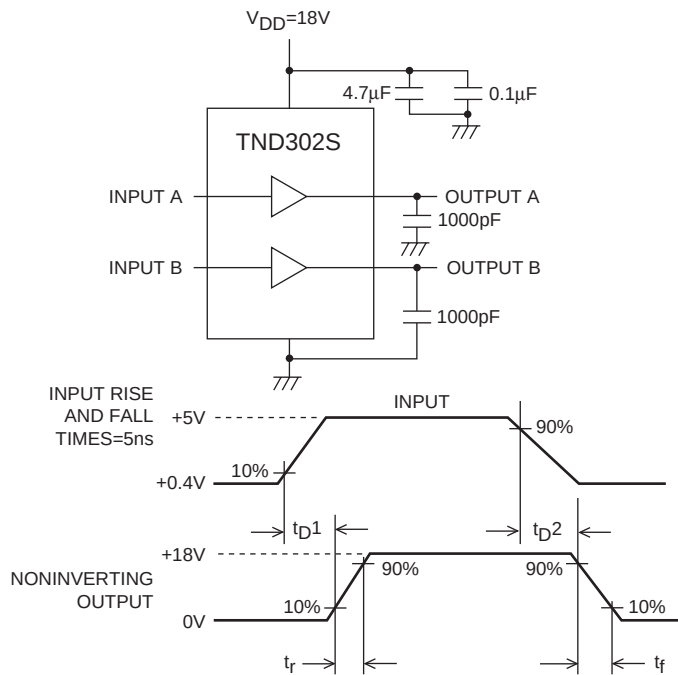
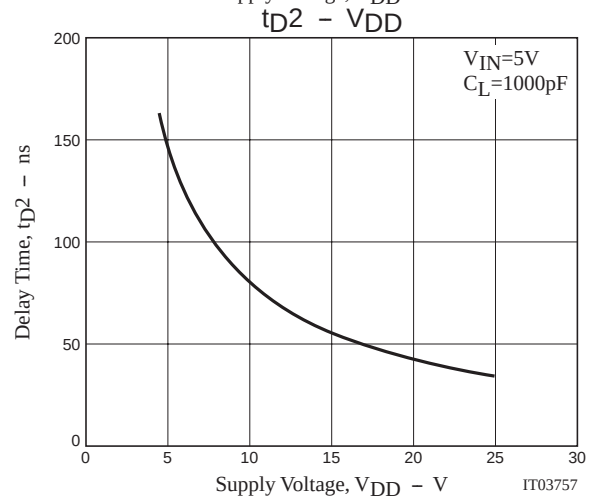
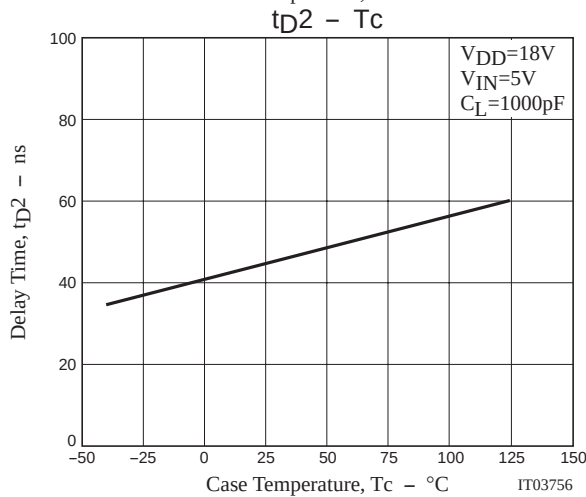
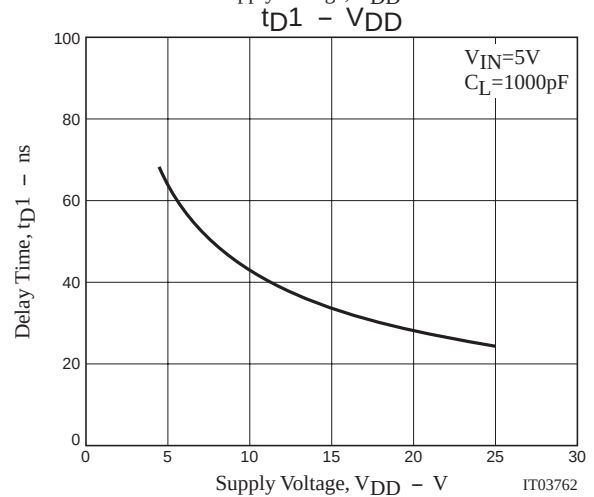
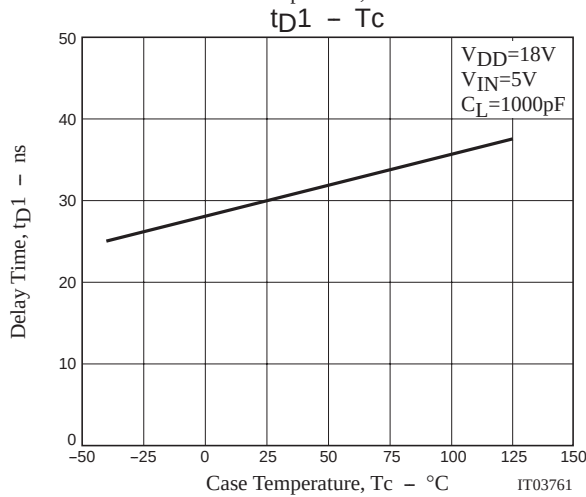
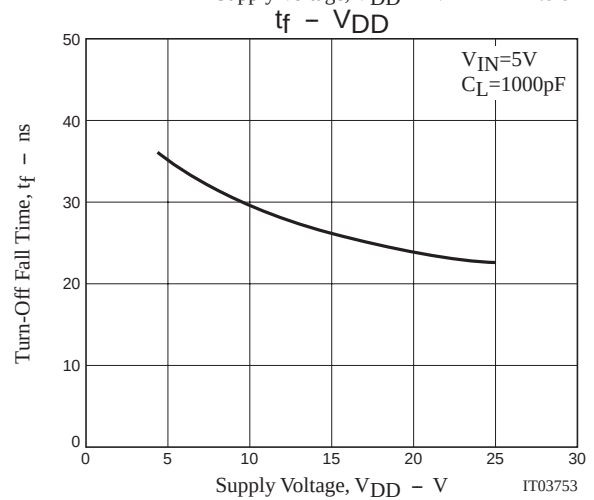
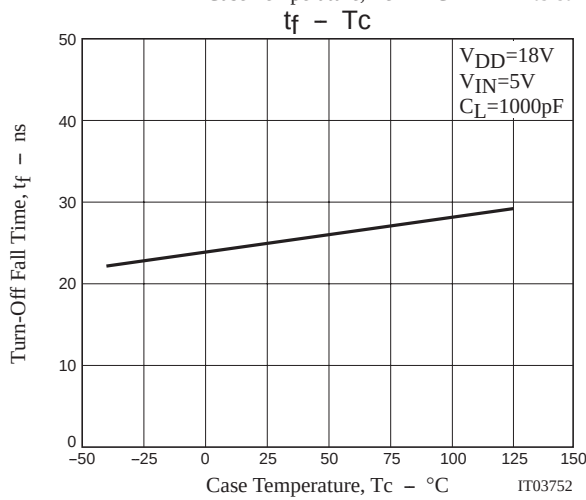
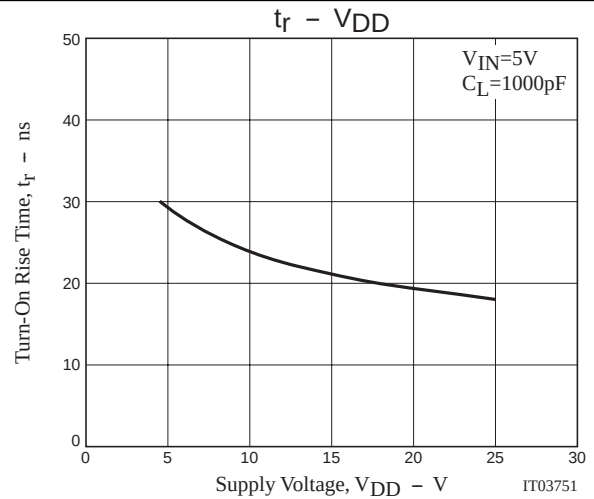
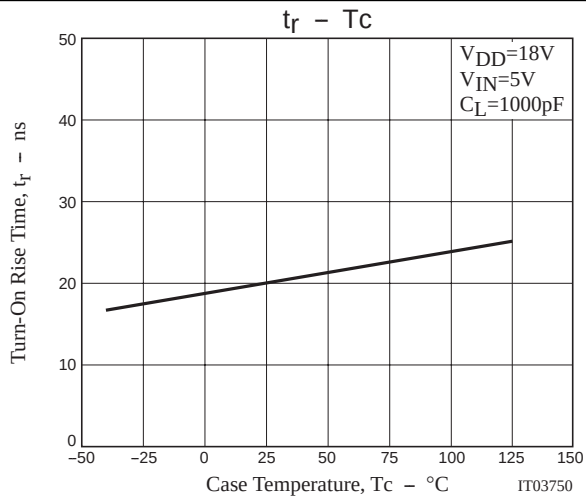


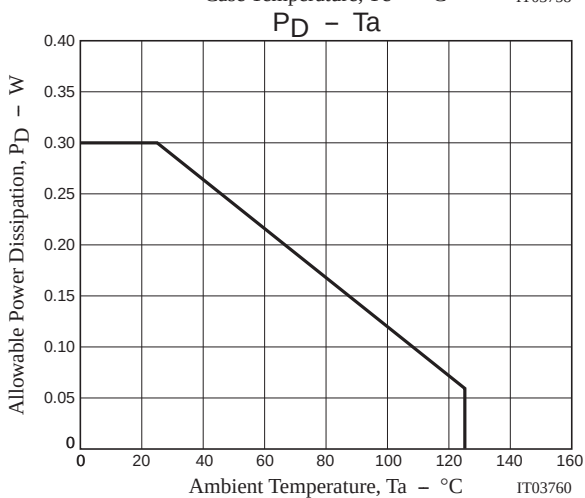
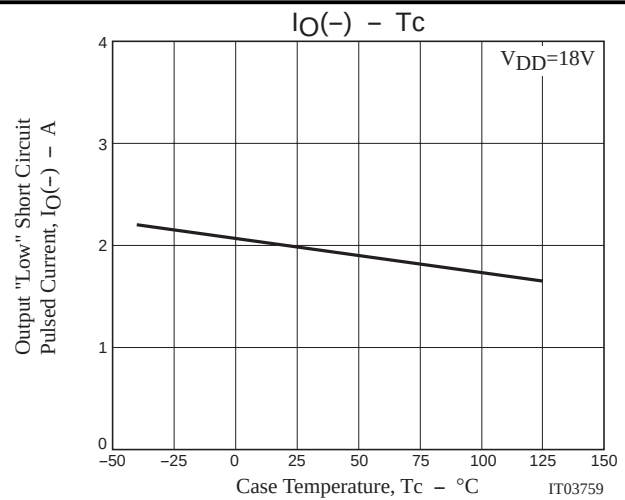
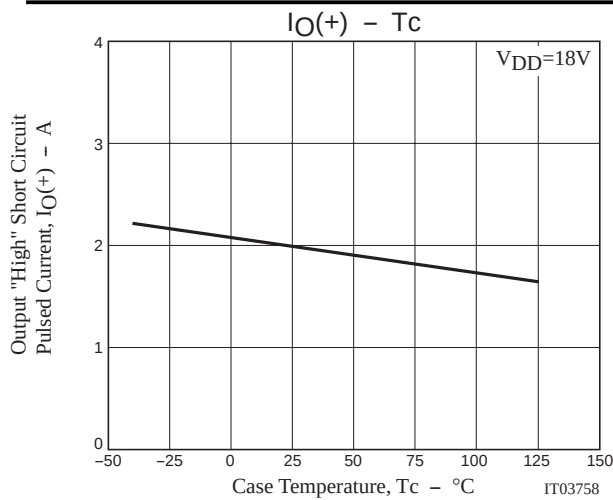
TND302S

Electrical Characteristics (DC Characteristics) at $T_a=25^\circ\text{C}$, $V_{DD}=4.5$ to 25V

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Logic "1" Input Voltage	V_{IH}		2.6			V
Logic "0" Input Voltage	V_{IL}				0.8	V
Input Bias Current	I_{IN}	$V_{IN}=0$ or V_{DD}	-1		1	μA
High Level Output Voltage	V_{OH}	$I_O=0$	$V_{DD}-0.1$			V
Low Level Output Voltage	V_{OL}	$I_O=0$			0.1	V
V_{DD} Supply Current	I_{supp}	$V_{DD}=10\text{V}$, $V_{IN}=3\text{V}$, (both inputs)		1.0	4.5	mA
		$V_{DD}=10\text{V}$, $V_{IN}=0$, (both inputs)			0.2	mA
Output High Short Circuit Pulsed Current	I_{O+}	$V_{DD}=18\text{V}$, $PW \leq 10\mu\text{s}$, $V_{OUT}=0$		2.0		A
Output Low Short Circuit Pulsed Current	I_{O-}	$V_{DD}=18\text{V}$, $PW \leq 10\mu\text{s}$, $V_{OUT}=18\text{V}$		2.0		A
Output On Resistance	R_{OUT}	$V_{DD}=18\text{V}$, $I_{load}=10\text{mA}$, $V_{OUT}="H"$		4	6	Ω
		$V_{DD}=18\text{V}$, $I_{load}=10\text{mA}$, $V_{OUT}="L"$		3	5	Ω

Block Diagram**Switching Time Measuring Circuit**





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