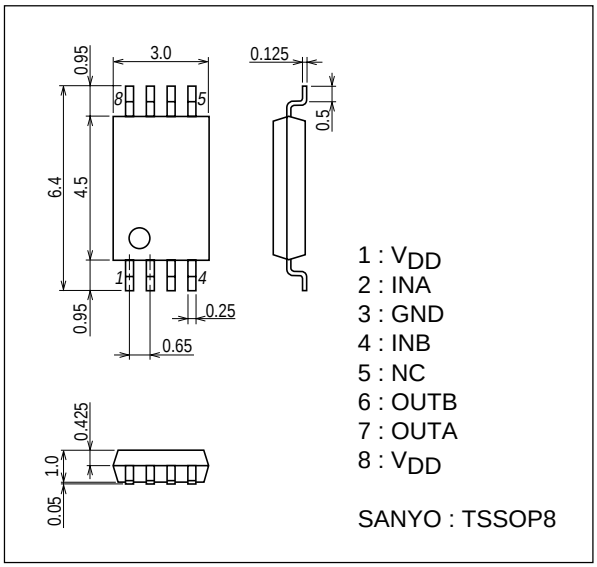
Electrical Characteristics (DC Characteristics) at Ta=25°C, V_{DD}=4.5 to 25V

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	Isupp	V_{DD}=10V, V_{IN}=3V, (both inputs)		1.0	4.5	mA
		V_{DD}=10V, V_{IN}=0, (both inputs)			0.2	mA
Output High Short Circuit Pulse Current	I_O+	V_{DD}=18V, PW≤10µs, V_{OUT}=0		1.0		A
Output Low Short Circuit Pulse Current	I_O-	V_{DD}=18V, PW≤10µs, V_{OUT}=18V		1.0		A
Output On Resistance	ROUT	V_{DD}=18V, Iload=10mA, V_{OUT}=“H”		8	12	Ω
		V_{DD}=18V, Iload=10mA, V_{OUT}=“L”		6	10	Ω

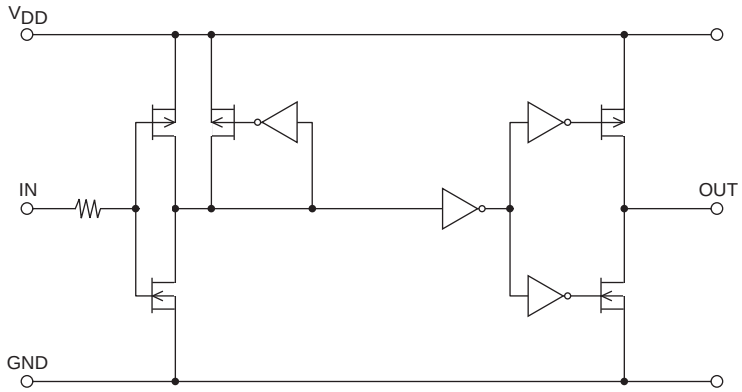
Package Dimensions

unit : mm

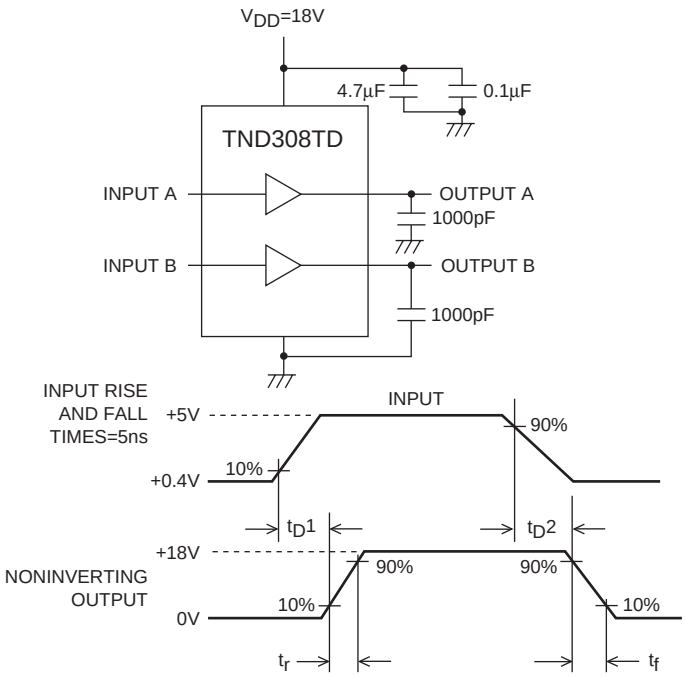
7006A-006

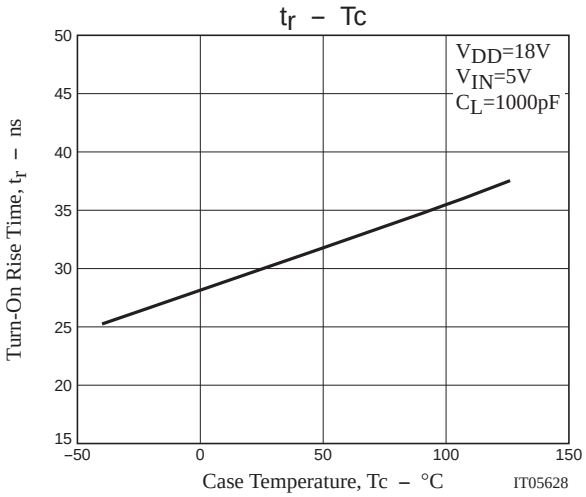


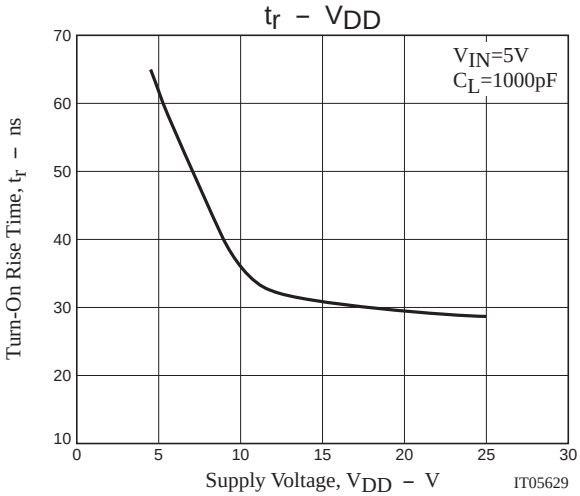
Block Diagram

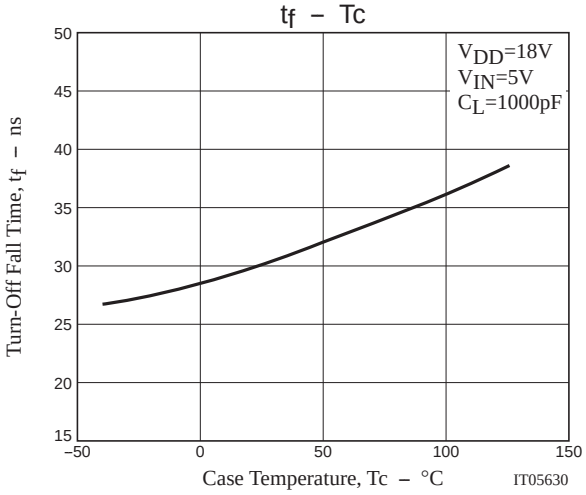


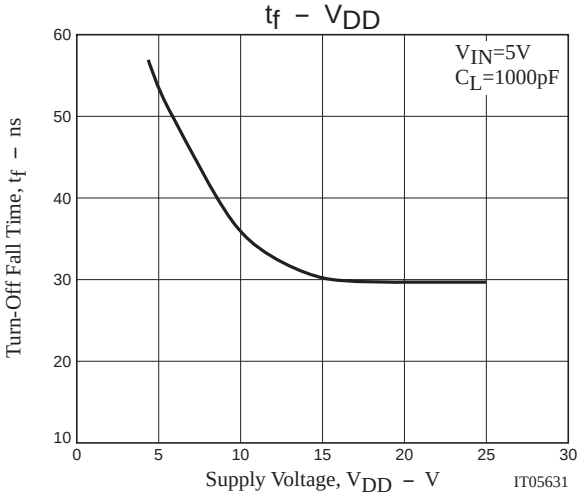
Switching Time Test Circuit



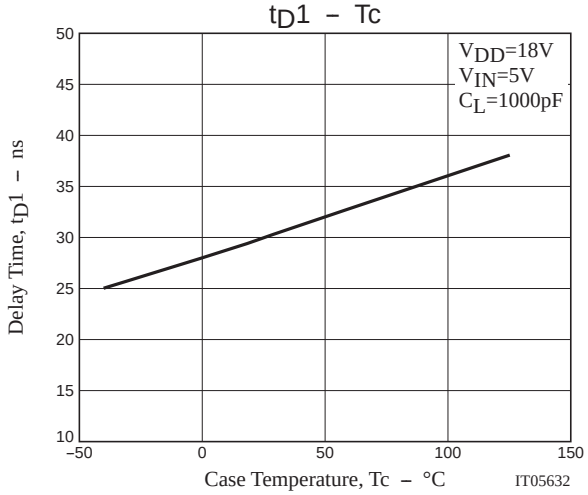




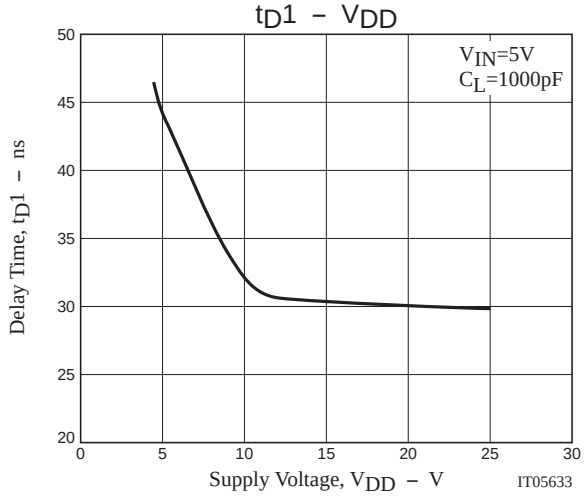




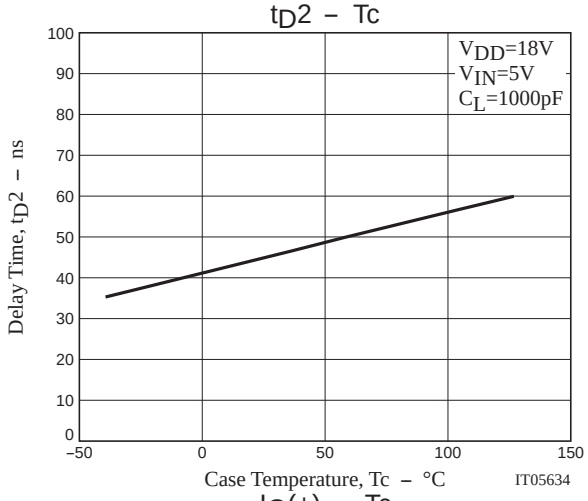
$t_{D}1$ – Tc



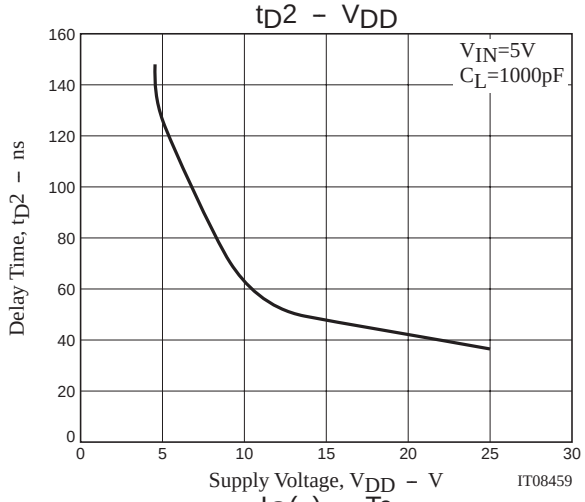
$t_{D}1$ – V_{DD}



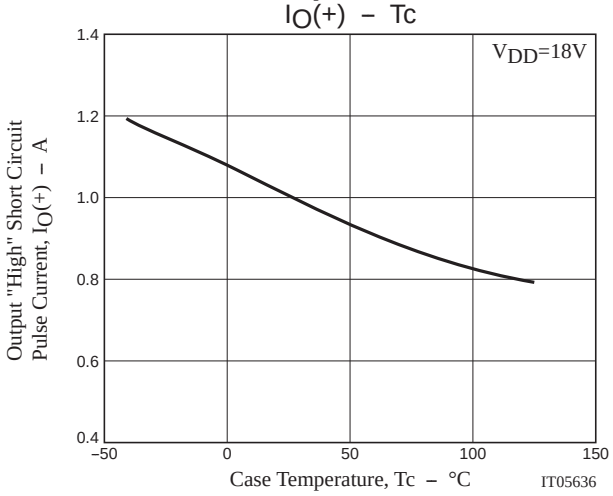
$t_{D}2$ – Tc



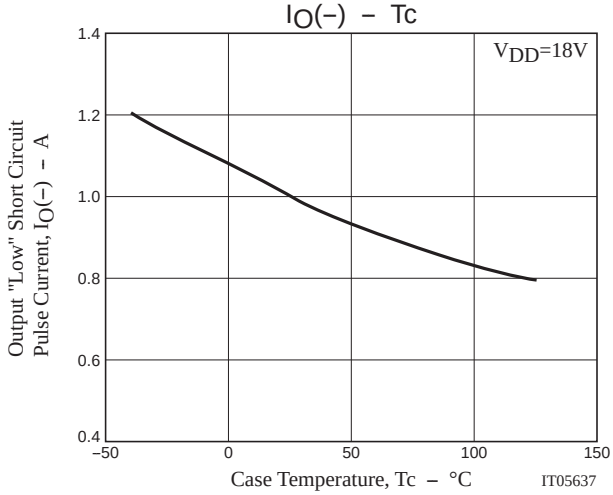
$t_{D}2$ – V_{DD}



$I_{O}(+)$ – Tc



$I_{O}(-)$ – Tc



P_{D} – Ta