

# TND308TD

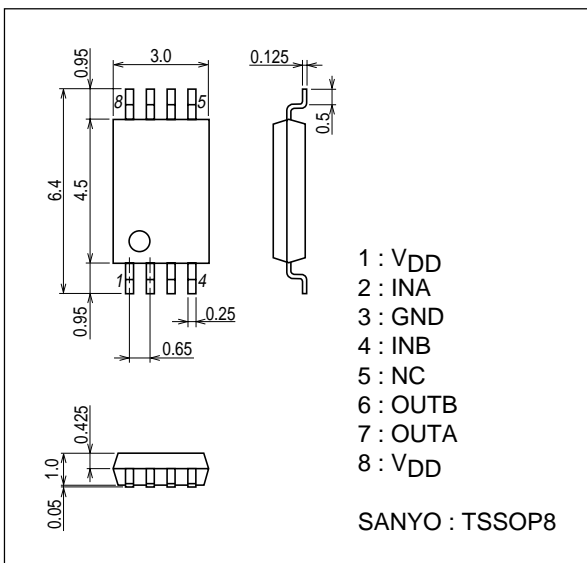
## Electrical Characteristics (DC Characteristics) at Ta=25°C, VDD=4.5 to 25V

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Logic "1" Input Voltage	V <sub>IH</sub>		2.6			V
Logic "0" Input Voltage	V <sub>IL</sub>				0.8	V
Input Bias Current	I <sub>IN</sub>	V <sub>IN</sub> =0 or V <sub>DD</sub>	-1		1	μA
High Level Output Voltage	V <sub>OH</sub>	I <sub>O</sub> =0	V <sub>DD</sub> -0.1			V
Low Level Output Voltage	V <sub>OL</sub>	I <sub>O</sub> =0			0.1	V
V <sub>DD</sub> Supply Current	I <sub>supp</sub>	V <sub>DD</sub> =10V, V <sub>IN</sub> =3V, (both inputs)		1.0	4.5	mA
		V <sub>DD</sub> =10V, V <sub>IN</sub> =0, (both inputs)			0.2	mA
Output High Short Circuit Pulse Current	I <sub>O+</sub>	V <sub>DD</sub> =18V, PW≤10μs, V <sub>OUT</sub> =0		1.0		A
Output Low Short Circuit Pulse Current	I <sub>O-</sub>	V <sub>DD</sub> =18V, PW≤10μs, V <sub>OUT</sub> =18V		1.0		A
Output On Resistance	R <sub>OUT</sub>	V <sub>DD</sub> =18V, I <sub>load</sub> =10mA, V <sub>OUT</sub> ="H"		8	12	Ω
		V <sub>DD</sub> =18V, I <sub>load</sub> =10mA, V <sub>OUT</sub> ="L"		6	10	Ω

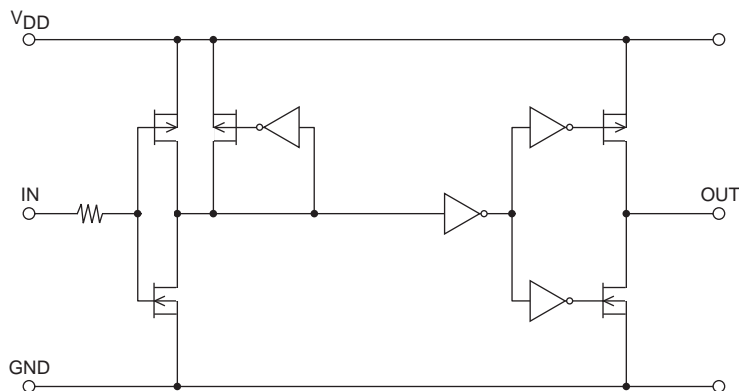
## Package Dimensions

unit : mm

7006A-006

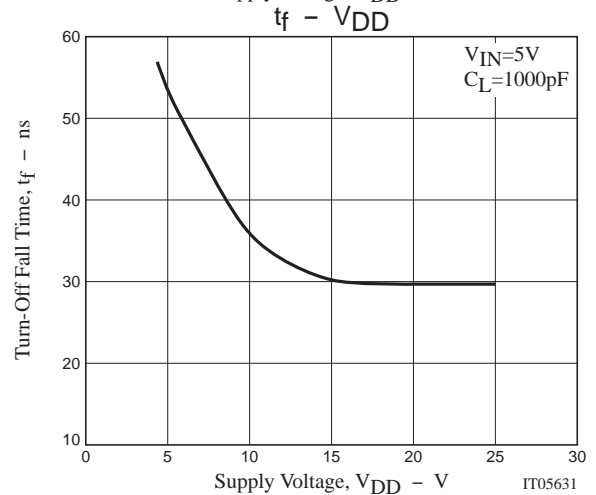
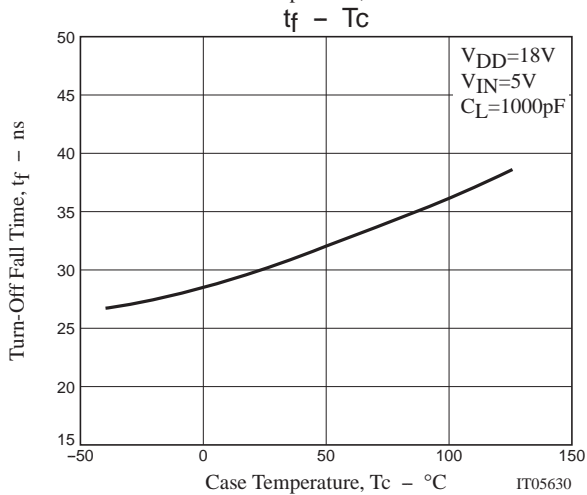
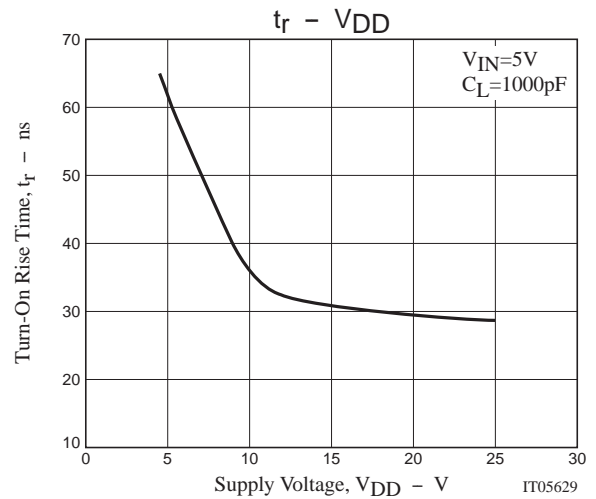
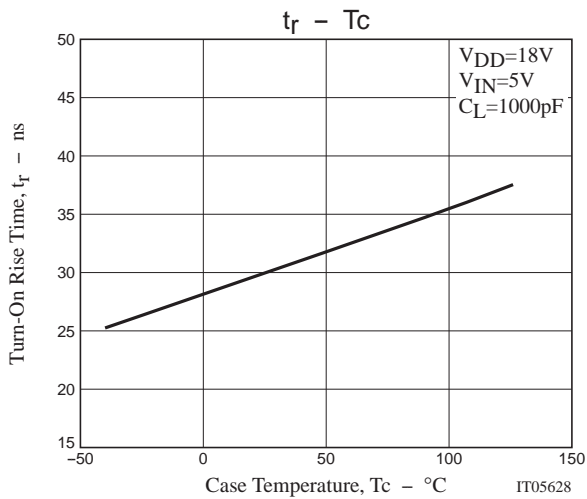
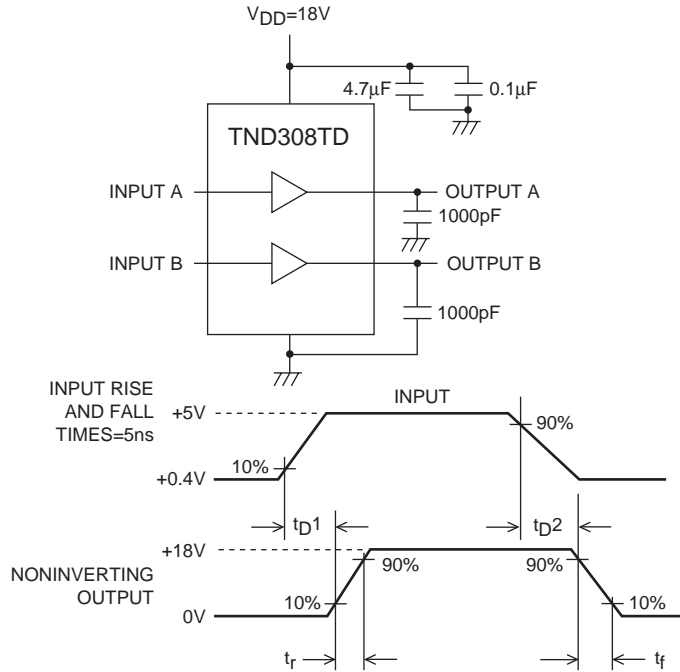


## Block Diagram

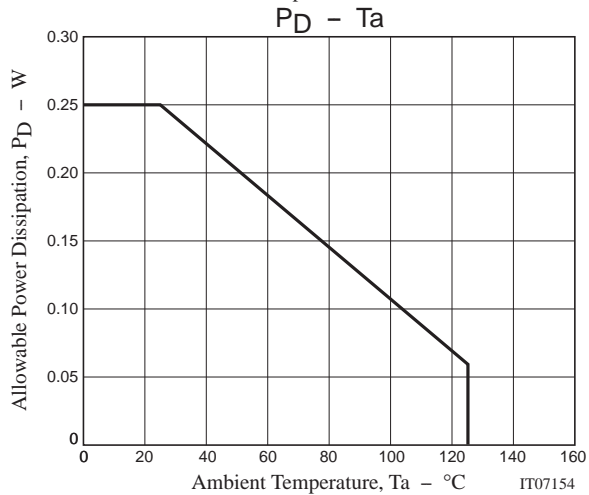
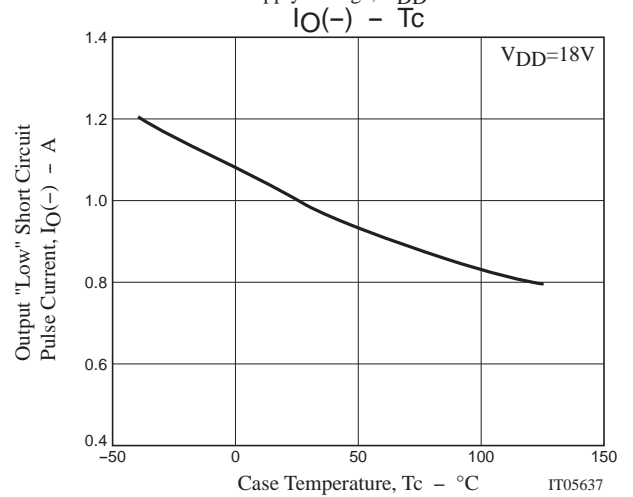
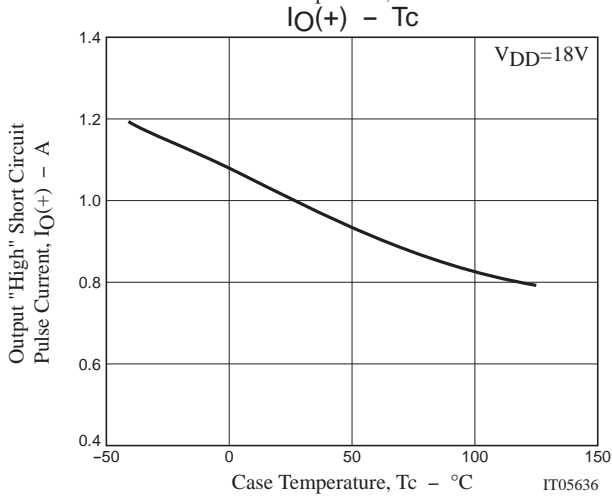
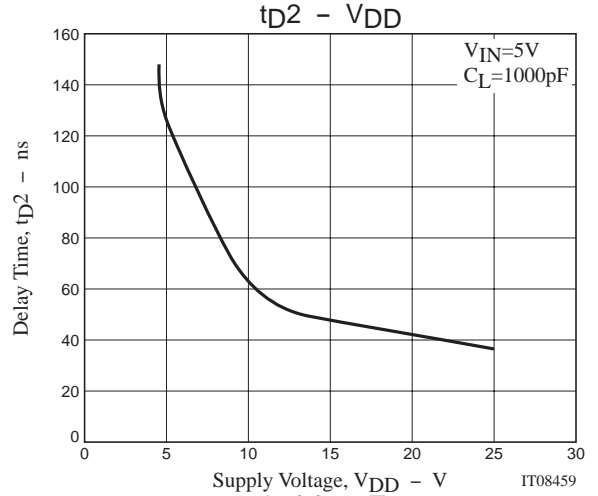
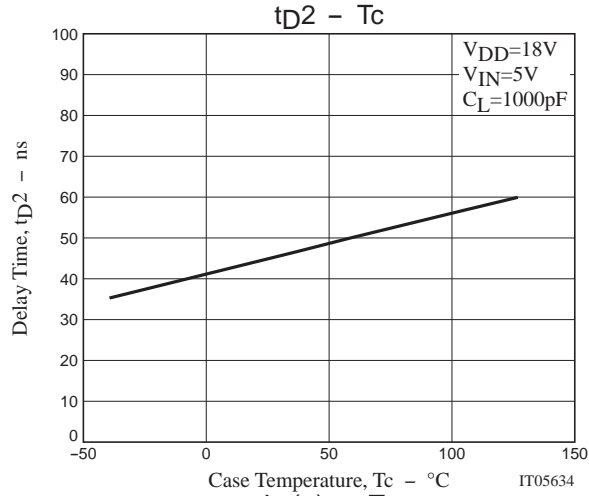
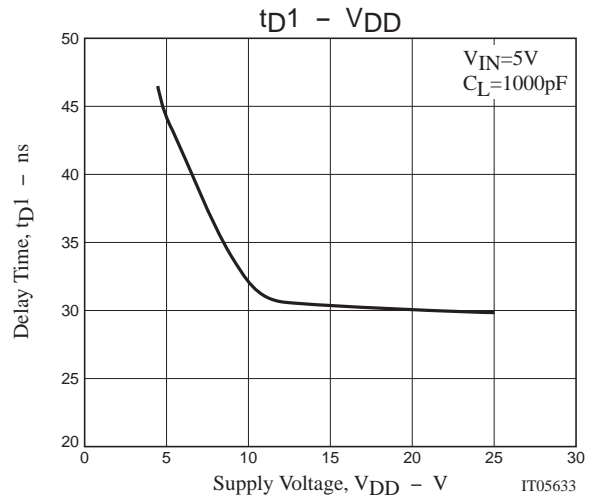
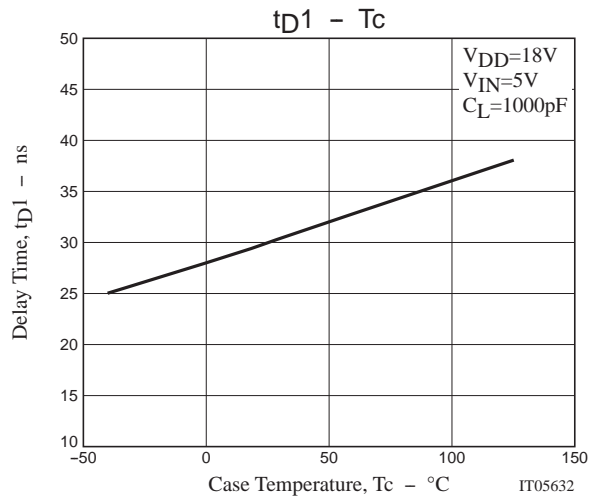


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## Switching Time Test Circuit



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