

Electrical Characteristics

AC PARAMETERS

(The following conditions apply to all the following parameters, unless otherwise specified.)

DC: Power dissipation must be externally controlled at elevated temperatures.

SYMBOL	PARAMETER	CONDITIONS	NOTES	PIN-NAME	MIN	MAX	UNIT	SUB-GROUPS
tON	Turn-On Delay	V+ = 20V	3		5	15	nS	9
			3		4	19	nS	10, 11
tOFF	Turn-Off Delay	V+ = 20V	3			15	nS	9
			3			19	nS	10, 11
tr(tPD1)	Rise Time	V+ - V- = 20V, Cl = 1000pF	3, 4			35	nS	9
			3, 4			44	nS	10, 11
tF(tPD0)	Fall Time	V+ - V- = 20V, Cl = 1000pF	3			35	nS	9
			3			44	nS	10, 11

AC PARAMETERS: Transistor Driver

(The following conditions apply to all the following parameters, unless otherwise specified.)

DC: Power dissipation must be externally controlled at elevated temperatures.

tR	Rise Time	Cl = 500pF	2, 4			18	nS	9
tF	Fall Time	Cl = 500pF	2			16	nS	9

AC PARAMETERS: Gate Driven

(The following conditions apply to all the following parameters, unless otherwise specified.)

DC: Power dissipation must be externally controlled at elevated temperatures.

tR	Rise Time	Cl = 500pF	2, 4			40	nS	9
		Cl = 1000pF	2, 4			50	nS	9
tF	Fall Time	Cl = 500pF	2			35	nS	9
		Cl = 1000pF	2			40	nS	9

Note 1: Parameter tested go-no-go only.

Note 2: Guaranteed parameter not tested.

Note 3: Tested at +25 C, guaranteed but not tested at +125 C and -55 C.

Note 4: Rise Time is the transition time from a Logical "0" to a Logical "1" and actually represents a voltage drop.