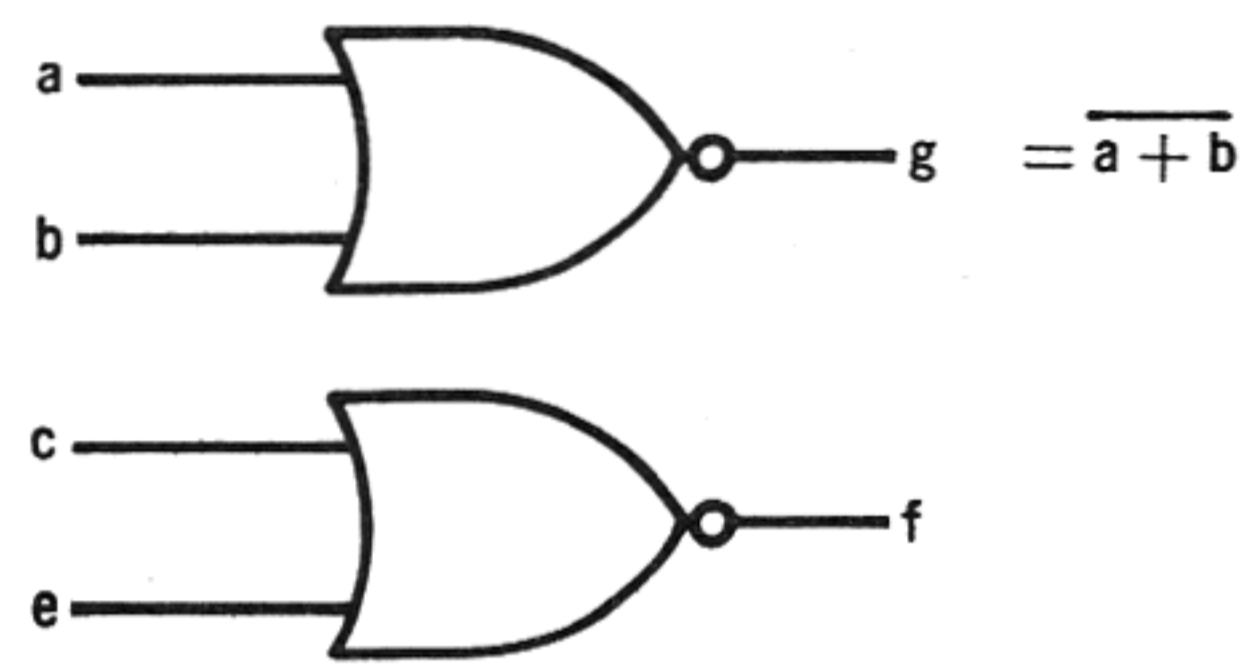
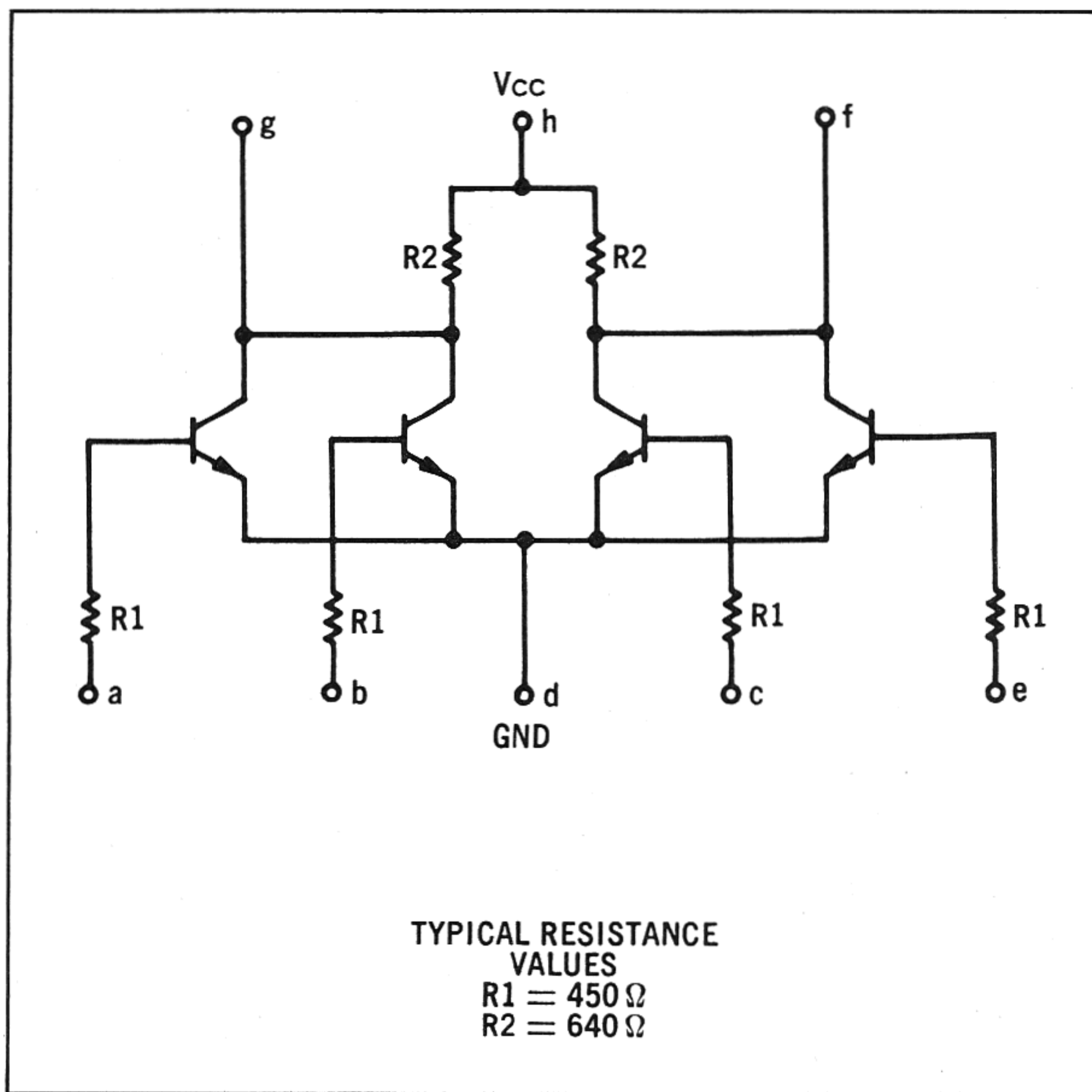


MC914 • MC814

Available in TO-99 Metal Can, Add "G" Suffix.
 Available in TO-91 Flat Package, Add "F" Suffix.

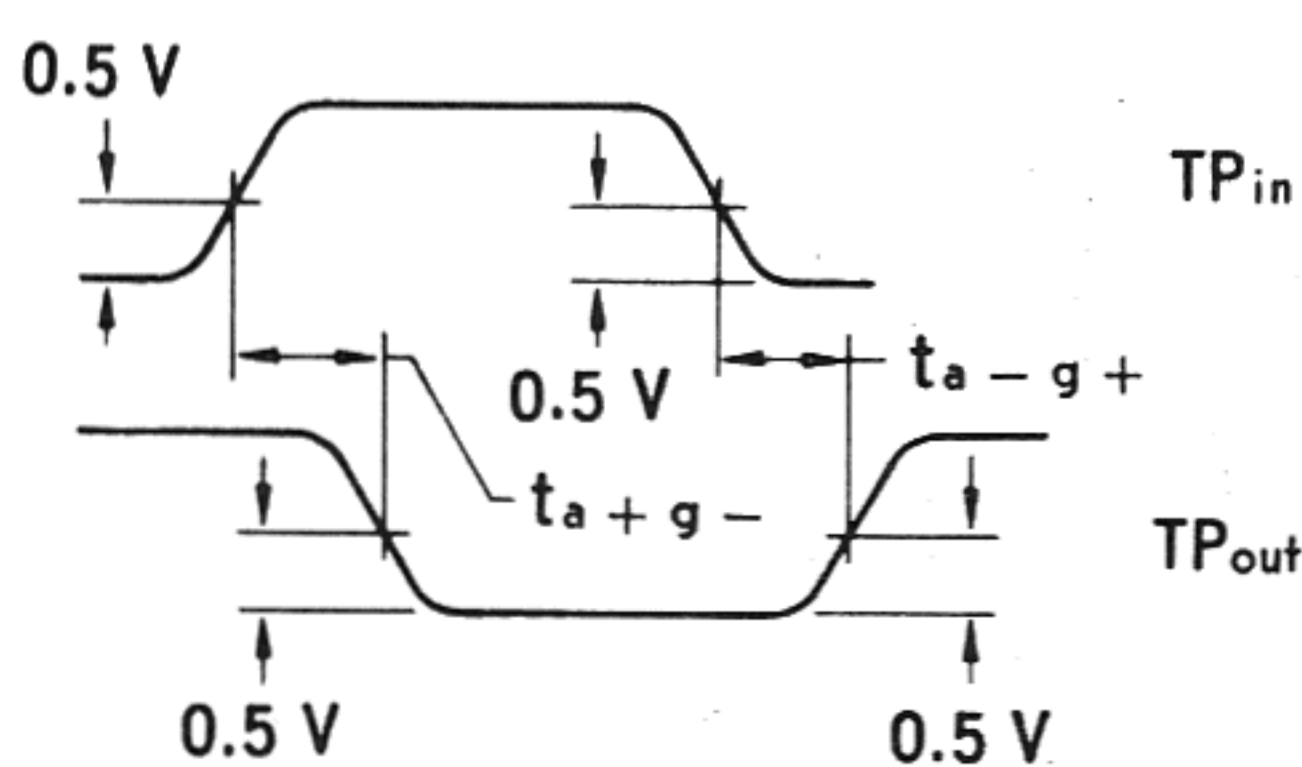
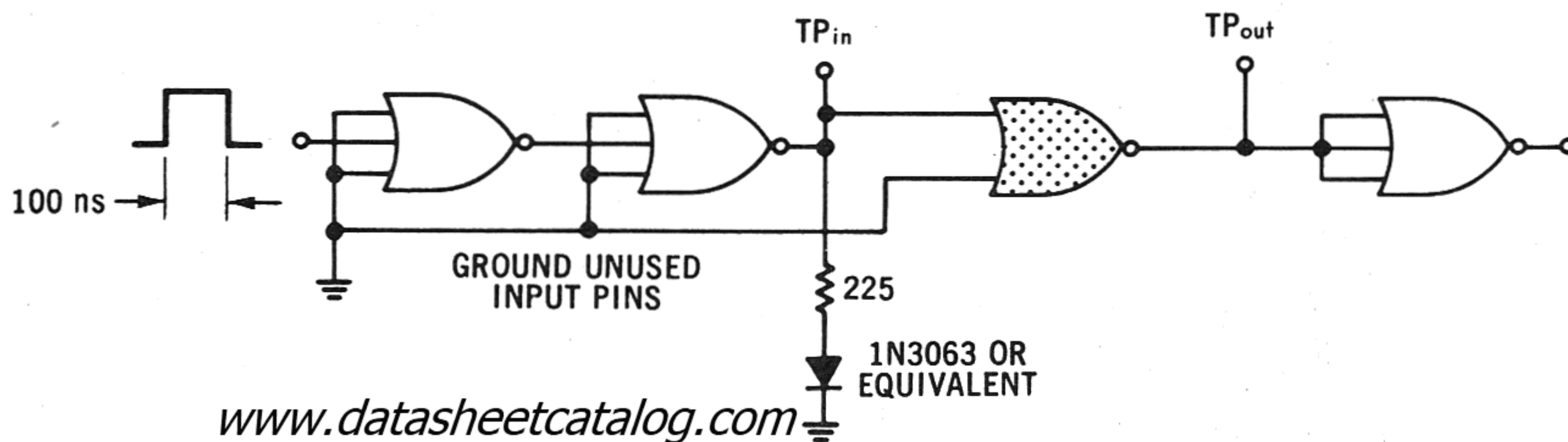
Two 2-input positive logic NOR gates in a single package may be used independently, paralleled for increasing the number of inputs (subject to loading rules), or cross-connected to form bistable elements.



PIN CONNECTIONS

SCHEMATIC	a	b	c	d	e	f	g	h
G PACKAGE (TO-99)	1	2	3	4	5	6	7	8
F PACKAGE (TO-91)	2	3	4	5	7	8	9	10

SWITCHING TIME TEST CIRCUIT AND WAVEFORM



ELECTRICAL CHARACTERISTICS

Test procedures are shown for one gate only. Other gates are tested in the same manner.

www.datasheetcatalog.com

Characteristic	Symbol	Pin Under Test	TEST VOLTAGE VALUES (Volts)											
			MC914			MC814			TEST VOLTAGE			APPLIED TO PINS LISTED BELOW:		
			Min	Max	Unit	Min	Max	Unit	V _{in}	V _{on}	V _{BOT}	V _{off}	V _{CC}	
Input Current	I _{in}	a b	@Test Temperature											
			MC914						MC814					
Output Current	I _{A5}	g	Test Limits											
			-55°C			+25°C			+125°C			0°C		
Output Leakage Current	I _{CEX}	g	Test Limits											
			-55°C			+25°C			+125°C			0°C		
Output Voltage	V _{out}	g g	Test Limits											
			-55°C			+25°C			+125°C			0°C		
Saturation Voltage	V _{CE(sat)}	g g	Test Limits											
			-55°C			+25°C			+125°C			0°C		
Switching Time	t	a+g- a-g+	Test Limits											
			-55°C			+25°C			+125°C			0°C		

Ground inputs of gate not under test. Other pins not listed are left open.