

MC7475P*





* P suffix = 16-pin plastic package (Case 612)

See General Information section for package outline dimensions.



OPERATING CHARACTERISTICS

Data present on the D input between the setup and hold times will be transferred to the Q output when the strobe input changes from the logic "0" state to the logic "1" state. As long as the strobe remains in the logic "1" state, the Q output will follow the state of the D input. When the strobe input changes from the logic "1" state to the logic "0" state, data present on the D input between the setup and hold times will be retained on the Q output until the strobe returns to the logic "1" state.



ELECTRICAL CHARACTERISTICS

Test procedures are shown for only one latch. The other latches are tested in the same manner.



STROBE 4-		₫-11						TEST	CURREN	VT/VOLT	AGE VAL	TEST CURRENT/VOLTAGE VALUES (All Temperatures)	Tempera	tures)			
						E	mA					Volts					
						101	ы	V _{ft}	,₩	V _{IHH}	V _{R1}	V _{th 1}	V _{th0}	V _{cc}	VccL	V _{CCH}	
						16	-0.4	0.4	2.4	5.5	4.5	2.0	0.8	5.0	4.75	5.25	
		Pin		MC7475 Test Limits 0 to +70°C	د Limits		F	ST CUR	RENT/V	OLTAGE	APPLIED	TEST CURRENT/VOLTAGE APPLIED TO PINS LISTED BELOW:	LISTED	BELOW			
Characteristic	Symbol	Test	Min	Max	Unit	lol	ы	٧ _{IL}	V _{IH}	V _{IHH}	V _{R1}	V _{th 1}	V _{tho}	Vcc	VccL	V _{ccH}	Gnd
lnput Forward Current	IF	2 13	1 1	-3.2 -3.2	mAdc mAdc			13 2			13			1.1		വവ	12 12
Leakage Current	I _{R1}	2 13		80 80	μAdc μAdc	, ,		1 1	2 13				• •			5	12,13 2,3,12
	I _{R2}	2 13	11	1.0 1.0	mAdc mAdc	• •	• •	• •		2 13			• •	• •		ານ	12,13 2,3,12
Output Output Voltage	ло _л	1 16	• •	0.4 0.4	Vdc Vdc	1 16						2,13 13	- 2	• •	5 5		12 12
	чо ^ч	1 16	2.4 2.4		Vdc Vdc		1 16		• •		• •	13 2,13	2-	• •	5 5	• •	12 12
Short-Circuit Current	Isc	1 16	-18 -18	-57 -57	mAdc mAdc						13 2,13					5 2	1,2,12 12,16
Power Requirements (Total Device)																	
Power Supply Drain	Ipp	ß	'	49	mAdc	ı	•	'	1	•	1	•	•	۔ م		•	2,3,4,6,7,12,13

MC7475P (continued)