MC5400/7400 series

DIVIDE-BY-TWELVE COUNTER

MC5492F, L* MC7492F, L, P*





*F suffix = TO-86 ceramic flat package (Case 607).
L suffix = TO-116 ceramic dual in-line package (Case 632).
P suffix = TO-116 plastic dual in-line package (Case 605).

																				ſ			
					ט מ	60			4m	-				1.	Volts								
				В	RO	08			٦ ס_	н	V _R	VIH HI	/ HHI/	RI <	× 1	1 04	14	× ×		Đ			
				70	90		N	IC5492	16	-0.4	0.4	2.4	5.5 4	.5 2	0.	. 8	3 7.0	.0 4	.5 5.	5			
	1. T. 2.1	100		1	1 × 1		N	NC7492	16	-0.4	0.4	2.4	5.5 4	. 5 2	0 0.	8	3.8.0	.0 4.	75 5.	25			
		Pin Inder	MC545	92 Test 1 to +12.	S°C	MC74 0	92 Test to +70 ⁶	C C		F	EST CUP	RENT /	VOLTA	GE APF	LIED TO	INS LIST	ED BELC	:MC		Pule	P.d.		
Characteristic S	ymbol	Test	Min	Max	Unit	Min	Max	Unit	10	н	V _{II}	VIII V	HHI	RI <	۲. ۲.	1 04	14	CC V	N SCL V	5		2	Gnd
Input	20 -	a		9	. 440		-				a			E			8		-				Ģ
FUIWAIU CUITEIIL RU	1F			9.1.0			9.1.9				o ►;			- 9									
55		1	ĩĩ	-3.2	-	6.4	-6.4	+		i r	14 1	1.1								•			•
Leakage Current R0	I _{R1}	9 1		40	μAdc		40	µAdc	.,			9 1											7,10
C1 C3		14		80			80	-	i i		(11)	14								•			10
RO	I _{P9}	9		1.0	mAdc	1	1.0	mAdc		1.2	1		9		-	-		-	-	1	<u> </u>	-	7,10
C1	1	14		1.2	1						10	i. ç	14			2	1.1	1.1					6,10 10
3	1	1	1	•	-	1	-	•	1	1	17	1	1		-	1	,		-	-			10
Output Output Voltage A ①	VoL	12		0.4	Vdc		0.4	Vdc	12	1 1	n Afrika Na Afrika Na Afrika			- 6,1	7,14		1		D.		-		1,10
Short-Circuit Current	Isc		-20	-57	mAdc	-18	-57	mAdc		- •	с. 1. 1.	ers Tr	1		°	1,		1		5 14			1,10,12
Output Voltage	V _{OH}	-	2.4		Vdc	2.4	1	Vdc		12		1	1		- 6,	1,14	1		2	1 			.1,10
B (D)	VOL	=		0.4	Vdc	1	0.4	Vdc	11	•	53	1			2.		1	-	2	-	Ľ		10,14
	Isc		-20	-57	mAdc	-18	-57	mAdc	1	1	1		,			1,7	1			ہ 2			10,11,14
	NOH	•	2.4	1.	Vdc	2.4		Vdc	. I	I.		59 i	1			25	1	1	2				10,14
C © C	VOL	6	1	0.4	Vdc		0.4	Vdc	6		515	3	1.		9	L.	-		5				10,14
	Isc		-20	-57	mAdc	-18	-57	mAdc	1		a	ji.		1.				Ser 1		2	-		9,10,14
	VOH	-	2.4	(L.)	Vdc	2.4		Vdc	,	6	(ini	1	1	1	-	-	1	1.	5	1.			10,14
O q	VoL	- 20	1	0.4	Vdc		0.4	Vdc	80	1	1	1.1			-	7.	1		5	-	-		10,14
	Isc		-20	-57	mAdc	-18	-57	mAdc	1		1		1				·			2	-		8,10,14
	Ч ^{НО}	+	2.4	1	Vdc	2.4	1	Vdc	•	8	1	3 .)	1		-		1		5	-			10,14
Power Requirements (Total Device)					्र संग १९२४													e e e e e e					
Power Supply Drain	IPD	2	1	40	mAdc	1	46	mAdc	•	1	1.		<u>.</u> 7.,				<u>.</u>	5	-	•			6,7,10

Pulse 2: Apply positive pulse prior to taking measurement to set the device in the desired state. $\int_{GND}^{V} V_{H}$ Maintain ground for measurement. (I) All input, power supply and ground voltages must be maintained between each test unless otherwise noted.

MC5492F,L, MC7492F,L,P (continued)

10-C2 A 012

ELECTRICAL CHARACTERISTICS



SWITCHING TIME TEST CIRCUIT

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