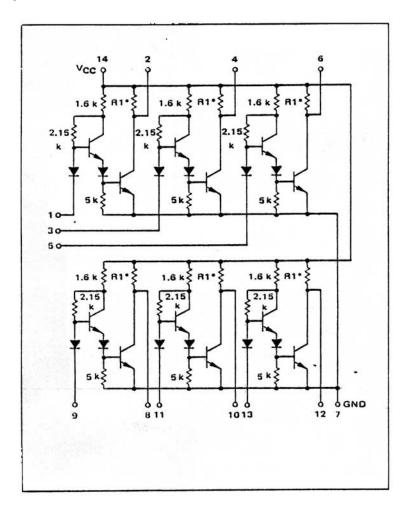
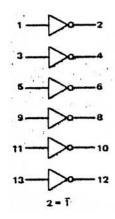


ML937 Hex Inverter

Legacy Device: Motorola MC937



This element consists of six inverter circuits.



Input Loading Factor = 1
Output Loading Factor:

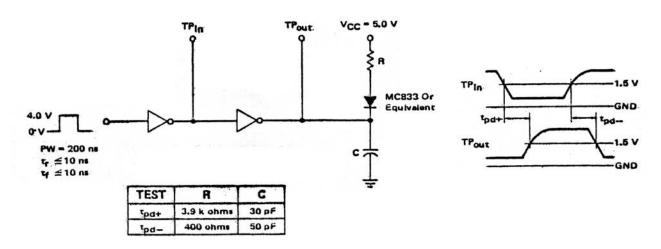
937/ 837 = 7
Total Power Dissipation

937/ 837 = 90 mW typ/pkg

Propagation Dalay Time

937/ 837 = 25 ns typ

SWITCHING TIME TEST CIRCUIT AND WAVEFORMS



ELECTRICAL CHARACTERISTICS			-	-														-		2 441		TOTAL TOTAL TOTAL TALOUT	200					
	HARA	CTEF	IST	S				-	4	,							МA						Volts				Г	
Test procedures are shown for only one	e showr	for	ylv c	one				0	1	İ					@ Test	_	20	Нон							-	-	Т	
inverter. The other inverters are tested in	r inverte	S are	testec	i.					4	i				Ten	Temperature	-	937	637	, n	× ×	`	>"	VR VCEX VCC VCCL VCCH VMAX	Vcc	CCI	V HO	7	
the same manner.									4						1-55'C	2,0	10.4	-0.5	1.40	2.10	0	4.00			4.50 5.50	20		
								OR .	4	Î				937	+25°C	2,5	11.0	-0.5	1.10	2 00	٥	4.00	4.50	00 8	5.00 4.50 5.50	50 8	8.00	
								:	4	i					(+125'C	25	80	-0.5	0.80	2 00	0	4.00		,	4.50 5	5.50	T.	
									1							_	837	837										
								12	4	1					,	0,0	11.0	-0.5	1.20	1.20 2 00 0.45 4.00	0.45	4.00		-	5 00 5 00	_		
														837	+25°C	2,0	11.0	-0.5	1.10	1 90	0.45	1.10 1.90 0.45 4.00	5.00	5.00	5.00 5.00 5.00	3 00	8 00	
															1,524	3,5	10.4	-0.5	0.95	0.95 1.80 0.50 4.00	0.50	4.00			5 00 5.00	00	,	
		P.	1 1			937 1	937 TEST LIMITS	MITS	П			80	37 TE	837 TEST LIMITS	ITS		165	TEST CURRENT / VOLTAGE APPLIED TO PINS LISTED BELOW:	LIAGE	APP	IED T	NIA O	LISTE	D BEIC			Г	
Characteristic	Symbol	Test Test	Min Max	Max Max	+25°C Min Ma	×	+125°C Min Max		Unit	Min Max		+25°C Min Max		Hin Max		, tig	_8	_₽	>"	>		>"	V. V. Verx Vcc Vcci VccHVman	V.	CCI V	N HO	1 2	Grad
Output Voltage	,		١٢.	0.40		0.40	۱	0.45	Vdc	1	0.45	1	0.45	0	0.5d V	Vdc	1		Ŀ	-			1	1	1	1	1	-
	9 ≥	~	2.50	•	2.60		2.50		2000	2.60		2.60	- 2	2.50		Vdc	•		-						=			-
Short-Circuit Current)sc	~	·	8		8 1		-3.90 mAdc	n.Adc		-3.90	· ·	-3.90		-3.75 mAde	, QC										-		1,2,7
Reverse Current	-R	-	·	2.0		2.0		0.5	+ Adr		9.0		5.0		10 µAdr	, de						-				=	-	1
Output Leakage Current	JCEX	~				20			r Adr				100		- hAde	yqc.				٠			2,14					1,7
Forward Current	1,	-	÷	-1.60		-1.60		-1.50	mAde		-1.40		-1.40	-	-1.33 mJ	mAde					-					7		-
(Total Device)	HO4!	11				32.0	* *						5 5	- : :	à	nı.Adc	(#6 #6							z .			. 2	1,3.5.7.
Switching Times												T		-	+	+	Pulse In	Pulse Out							+	+	+	
					N.				a —				8		•	* -								<u> </u>				
MC937 MC637	ė ė	3 3			2 2	9 9			_			2 2	8 8			_	-							_				-

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