

	ORDERING INFORMATIO	N
Device	Temperature Range	
	0 to +1.	

MOTOROLA

Supply Voltage

Input Voltage

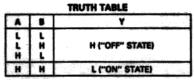
Output Voltage

Clamp Voltage

Supply Voltage

Output Voltage

Clamp Voltage



MC1472

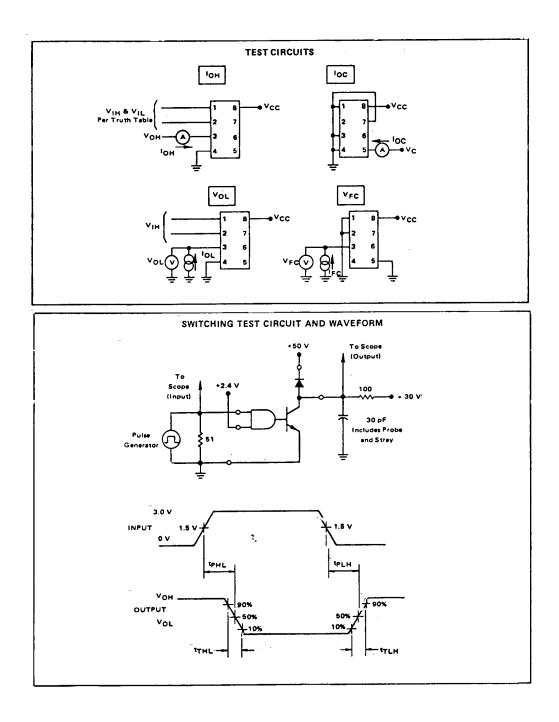
Characteristic	Symbol	Min	Тур	Max	Unit
Input Voltage — High Logic State	VIH	2.0	-	5.5	Vdc
Input Voltage — Low Logic State	ViL	0	-	0.8	Vdc
Input Current — Low Logic State (V _{IL} = 0.4 V) A Input B Input	կլ	-	-	-0.3 0.15	mA
Input Current — High Logic State {V _{IH} = 2.4 V} A Input B Input (V _{IH} = 5.5 V) A Input B Input	lui			40 20 200 100	μΑ
Input Clamp Voltage (ICC = -12 mA)	VIK	-	_	- 1.5	v
Output Leakage Current — High Logic State ($V_O = 70 V$, See Test Figure)	ЮН		_	100	Āμ
Output Voltage — Low Logic State (IOL = 100 mA) (IOL = 300 mA)	VOL			0.4 0.7	v
Output Clamp Diode Leakage Current (Vc = 70 V, See Test Figure)	loc	-	-	100	v
Output Clamp Forward Voltage (IFC = 300 mA, See Test Figure)	VFC		! -	-1.7	v
Power Supply Current (Ail Inputs at VIH) (All Inputs at VIL)	1c c	=		70 15	mA

ELECTRICAL CHARACTERISTICS (Unless otherwise noted min/max limits apply across the 0°C to 70°C temperature range with 4.5 V \leq V_{CC} \leq 5.5 V. All typical values are for T_A = 25°C, V_{CC} = 5.0 Volts.)

NOTE: All currents into device pins are shown as positive, out of device pins as negative. All voltages referenced to ground unless otherwise noted.

SWITCHING CHARACTERISTICS VCC = 5.0V, TA = 25°C

Characteristic	Symbol	Min	Тур	Max	1Unit
Propagation Delay Time Output High to Low Output Low to High	tPHL tPLH	-		1.0 0.75	μs
Output Transition Time Output High to Low Output Low to High	ттні тін	-	+	0.1 0.1	μs



MOTOROLA LINEAR/INTERFACE ICs DEVICE DATA 7-43