

✓ 54/7406 610630

HEX INVERTER BUFFER/DRIVER (With Open-Collector High-Voltage Output)

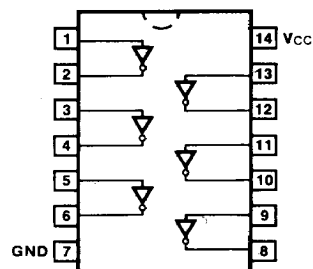
ORDERING CODE: See Section 9

PKGS	PIN OUT	COMMERCIAL GRADE	MILITARY GRADE	PKG TYPE
		$V_{CC} = +5.0 \text{ V} \pm 5\%$, $T_A = 0^\circ \text{C to } +70^\circ \text{C}$	$V_{CC} = +5.0 \text{ V} \pm 10\%$, $T_A = -55^\circ \text{C to } +125^\circ \text{C}$	
Plastic DIP (P)	A	7406PC		9A
Ceramic DIP (D)	A	7406DC	5406DM	6A
Flatpak (F)	A	7406FC	5406FM	3I

INPUT LOADING/FAN-OUT: See Section 3 for U.L. definitions

PINS	54/74 (U.L.) HIGH/LOW
Inputs	1.0/1.0
Outputs	OC**/10

CONNECTION DIAGRAM PINOUT A



DC AND AC CHARACTERISTICS: See Section 3*

SYMBOL	PARAMETER		54/74		UNITS	CONDITIONS	
			Min	Max			
VOL	Output LOW Voltage	XC	0.7	V	IO _L = 40 mA	V _{CC} = Min V _{IN} = V _{IH}	
		XM	0.7		IO _L = 30 mA		
		XC, XM	0.4		IO _L = 16 mA		
IOH	Output HIGH Current		0.25	mA	VOH = 30 V, V _{CC} = Min VIN = VIL		
ICCH	Power Supply Current		48	mA	VIN = Gnd	V _{CC} = Max	
ICCL			VIN = Open				
tPLH	Propagation Delay		15	ns	Fig. 3-2, 3-4		
tPHL			23				

*DC limits apply over operating temperature range; AC limits apply at $T_A = +25^\circ \text{C}$ and $V_{CC} = +5.0 \text{ V}$.

**OC—Open Collector