IC Arrays

CMOS Array

Electrical Characteristics at $T_A = 25^oC$

Type	Description	Features	Package Number of Pins*
CD54/74 HC UO4	QMOS Hex Inverter (Unbuffered) Linear Wideband Amplifier	t_{PLH}, t_{PHL} = 6 ns @ V_{CC} = 5V, 2 - 6V operation T_A = -40 to +85°C	14E, 14M
		For application information, refer to RCA Application Note. ICAN7637 'Linear Application of the CD74HCUO4 QMOS Inverter.'	

*Pinouts included in this section. * See interpretation guide and packaging section

High-Speed CMOS Arrays

20-Lead (E), (F) and (M) Packages

Type V_{CC} = 4.5V	V_{IH} Min. V	V_{IL} Max. V	V_{OH} Min. V	V_{OL} Max. V	I_I Max. µA	I_{CC} Max. µA	Switching Characteristics C_L = 50 pF, t_r, t_f = 6 ns		
							t_{PLH}, t_{PHL}* Max. ns	t_{TLH}, t_{THL}* Max. ns	C_1 Max. pF
CD54/74 HC688	3.15	1.35	4.4/3.98*	0.1/0.26*	±0.1†	8†	34/24‡	15	10
CD54/74 HCT688	2	0.8	4.4/3.98*	0.1/0.26*	±0.1†	8†	34/24‡	15	10

* CMOS/TTL loads

† V_{CC} = 6V

‡ Rand B data to output/enable to output

Note: For information on Power Darlington Transistor/Arrays, see section on Bipolar Power Transistors