

Product Overview

MC14060B: 14-Stage Binary Counter/Oscillator

For complete documentation, see the data sheet.

The MC14060B is a 14 stage binary ripple counter with an on chip oscillator buffer. The oscillator configuration allows design of either RC or crystal oscillator circuits. Also included on the chip is a reset function which places all outputs into the zero state and disables the oscillator. A negative transition on Clock will advance the counter to the next state. Schmitt trigger action on the input line permits very slow input rise and fall times. Applications include time delay circuits, counter controls, and frequency dividing circuits.

Features

- Supply Voltage Range = 3.0 V to 18 V
- Capable of Driving Two Lowpower TTL Loads or One Lowpower Schottky TTL Load Over the Rated Temperature Range
- Buffered Outputs Available from Stages 4 Through 10 and 12 Through 14
- Common Reset Line
- Diode Protection on All Inputs

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Type	V _{CC} Min (V)	V _{CC} Max (V)	t _{pd} Max (ns)	P _D Max (W)	I _O Max (mA)	Package Type
MC14060BDG	0.1627	Pb-free	Active	Counter	3	18	1300	0.5	2.25	SOIC-16
		Halide free								
MC14060BDR2G	0.16	Pb-free	Active	Counter	3	18	1300	0.5	2.25	SOIC-16
		Halide free								
MC14060BDTR2G	0.152	Pb-free	Active	Counter	3	18	1300	0.5	2.25	TSSOP-16
		Halide free								
NLV14060BDG	0.308	AEC Qualified	Active	Counter	3	18	1300	0.5	2.25	SOIC-16
		PPAP Capable								
		Pb-free								
		Halide free								

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