

NCV1124

Comparator, Dual, Variable-Reluctance Sensor Interface

Product Overview

For complete documentation, see the data sheet.

The NCV1124 is a monolithic integrated circuit designed primarily to condition signals from sensors used to monitor rotating parts. The NCV1124 is a dual channel device. Each of the two identical channels interfaces with a variable-reluctance sensor, and continuously compares the sensor output signal to a user-programmable internal reference. An alternating input signal of appropriate amplitude at IN1 or IN2 will result in a rectangular waveform at the corresponding OUT terminal, suitable for interface to either standard microprocessors or standard logic families.

Features

- Two Independent Channels
- Internal Hysteresis
- Built - In Diagnostic Mode


Applications

- Crankshaft / Camshaft Position Sensor

End Products

- Automotive

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channels	V _{CC} Min (V)	V _{CC} Max (V)	I _O Typ (mA)	I _{CC} Typ (mA)	t _{res} Typ (ns)	V _{IO} Max (mV)	T _A Min (°C)	T _A Max (°C)	Package Type
NCV1124DR2G	1.0392		Active	2	4.5	5.5	-	-	-	-	-40	125	SOIC-8

Application Diagram

