

Analogue Comparator, General Purpose, 1 Comparator, 200 ns, 5V to 30V, SOIC, 8 Pins

Manufacturers	ON Semiconductor, LLC
Package/Case	SOIC-8
Product Type	Comparator ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for LM311DG or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LM111, LM211, and LM311 devices are single high-speed voltage comparators. These devices are designed to operate from a wide range of power-supply voltages, including ± 15 -V supplies for operational amplifiers and 5-V supplies for logic systems. The output levels are compatible with most TTL and MOS circuits. These comparators are capable of driving lamps or relays and switching voltages up to 50 V at 50 mA. All inputs and outputs can be isolated from system ground. The outputs can drive loads referenced to ground, VCC+ or VCC. Offset balancing and strobe capabilities are available, and the outputs can be wire-OR connected. If the strobe is low, the output is in the off state, regardless of the differential input.

Features

Fast Response Time: 165 ns

Strobe Capability

Maximum Input Bias Current: 300 nA

Can Operate From Single 5-V Supply

Available in Q-Temp Automotive

High-Reliability Automotive Applications

Qualification to Automotive Standards

On Products Compliant to MIL-PRF-38535,

All Parameters Are Tested Unless Otherwise Noted. On All Other Products, Production Processing Does Not Necessarily Include Testing of All Parameters.

Application

ONSEMI

Related Products



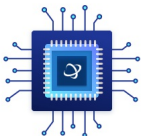
[LM311DR2G](#)

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[LMV393DMR2G](#)

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Micro8



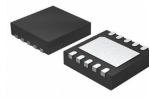
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