

Comparator ICs 2-36v dual

Manufacturers	<a href="#">ON Semiconductor, LLC</a>
Package/Case	SOIC-8
Product Type	Comparator ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LM2903DR2 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LM393B and LM2903B devices are the next generation versions of the industry-standard LM393 and LM2903 comparator family. These next generation devices provide outstanding value for cost-sensitive applications, with features including lower offset voltage, higher supply voltage capability, lower supply current, lower input bias current, lower propagation delay, and improved 2kV ESD performance with drop-in replacement convenience.

All devices consist of two independent voltage comparators that are designed to operate from a single power supply over a wide range of voltages. Operation from dual supplies also is possible as long as the difference between the two supplies is within 2 V to 36 V, and VCC is at least 1.5 V more positive than the input common-mode voltage. Current drain is independent of the supply voltage. The outputs can be connected to other open-collector outputs to achieve wired-AND relationships.

## Features

Single-Supply or Dual Supplies

Wide range of supply voltage

Maximum rating: 2 V to 36 V

Tested to 30 V: non-V devices

Tested to 32 V: V-suffix devices

Tested to 36V: B-suffix devices

Low supply-current drain independent of supply voltage: 0.2 mA (typical) per comparator

Low input bias current: 15 nA (typical, 'B' device)

Low current: 2 nA (Typical)

Low input offset voltage: 0.37 mV (typical, 'B' device)

Common-mode input voltage range

Includes Ground

Differential input voltage range equal to maximum-rated supply voltage:  $\pm 36\text{V}$

Low output saturation voltage

Output compatible with TTL, MOS, and CMOS

## Application

ONSEMI

## Related Products



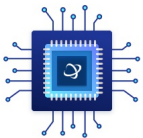
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