

3PEAK思瑞浦LM331AU-S5TR 36V低功耗比较器芯片

产品名称	3PEAK思瑞浦LM331AU-S5TR 36V低功耗比较器芯片
公司名称	深圳市昊海鑫科技有限公司
价格	.00/件
规格参数	品牌:3PEAK思瑞浦 型号:LM331AU-S5TR 产地:中国苏州
公司地址	深圳市宝安区西乡街道固戍社区宝源路北侧宝港中心B座411
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产品详情

The devices in this series consist of single/ dual/ quad independent single or dual supply voltage comparators on a single monolithic substrate. The common mode input voltage range includes ground even when operated from a single supply, and the low power supply current drain makes these comparators suitable for battery operation. These types were designed to directly interface with TTL and CMOS, Current drain is independent of the supply voltage. The outputs can be connected to other open-collector outputs to achieve wired-AND relationships.

All devices are specified for the temperature range of -40°C to 125°C .

Features

Wide Single-supply Voltage Range or Dual

Supplies: $+2.5\text{ V}$ to $+36\text{ V}$ or $\pm 1.25\text{ V}$ to $\pm 18\text{ V}$

Very Low Supply Current ($150\ \mu\text{A}/\text{ch}$)

Low Input Bias Current: 1 nA maximum

Low Offset Voltage: $\pm 6.0\text{ mV}$ maximum

Input Common-mode Voltage Range Includes

Ground

Internal Differential Input Voltage Range Equal to

The Supply Voltage

Low Output Saturation

40 ° C to 125 ° C Operation Range

ESD Rating: HBM 4 kV, CDM 2 kV

Applications

High-speed Line or Digital Line Receivers

High Speed Sampling Circuits

Peak and Zero-crossing Detectors

Threshold Detectors/Discriminators

Sensing at Ground or Supply Line