

## 产品概览

### NBA3N206S: M-LVDS 驱动器接收器，汽车级，3.3V

欲看完整文档，请参阅数据表。

NBA3N206S 是一款 3.3 V 电源差分多点低压差分信号 (M-LVDS) 线路驱动器和接收器，用于汽车应用。NBA3N206S 在 0.1 V 下提供 2 型接收器阈值。NBA3N206S 具有 2 型接收器，能够基于 -1 V 至 3.4 V 的共模电压范围，以低至 50 mV 的差分输入电压检测总线状态。2 型接收器包括一个偏移阈值，可在开路、闲置总线和其他故障条件下提供可检测的电压。NBA3N206S 支持单工或半双工总线配置。

### 特性

- Low-Voltage Differential 30Ω to 55Ω Line Drivers and Receivers for Signaling Rates Up to 200 Mbps
  - Type-2 Receivers Provide an Offset (100 mV) Threshold to Detect Open-Circuit and Idle-Bus Conditions
  - Controlled Driver Output Voltage Transition Times for Improved Signal Quality
  - -1 V to 3.4 V Common-Mode Voltage Range Allows Data Transfer With up to 2 V of Ground Noise
  - Bus Pins High Impedance When Disabled or VCC 3/4 1.5 V
  - M-LVDS Bus Power Up/Down Glitch Free
  - Operating range: VCC = 3.3 ±10% V (3.0 to 3.6 V)
  - Operation from -40°C to +125°C.
  - AEC-Q100 Qualified and PPAP Capable
  - These are Pb-Free Devices
- For more features, see the data sheet

### 应用

- Low-Power High-Speed Short-Reach Alternative to TIA/EIA-485
- Backplane or Cabled Multipoint Data and Clock Transmission
- Telecom
- Networking
- Automotive

### 终端产品

- Cellular Base Stations
- Central-Office Switches
- Network Switches and Routers
- Automotive

### 器件电气规格

产品	Pricing (\$/Unit)	Compliance	Status	Type	Channels	Input / Output Ratio	Input Level	Output Level	V <sub>CC</sub> Typ (V)	t <sub>Jitter</sub> MS Typ (ps)	t <sub>skew(0-1)</sub> Max (ps)	t <sub>pd</sub> Typ (ns)	t <sub>R</sub> & t <sub>F</sub> Max (ps)	f <sub>max</sub> Clock Typ (MHz)	f <sub>max</sub> Data Typ (Mbps)	Package Type
NBA3N206SDG		AEC Qualified PPAP Capable Pb-free Halide free	Active	Signal Driver	1	1:1	LVC MO S M-LVDS	M-LVDS LVC MO S	3.3	4 2		4 1.5	160 0 230 0	100	200	SOIC-8
NBA3N206SDR2G		AEC Qualified PPAP Capable Pb-free Halide free	Active	Signal Driver	1	1:1	M-LVDS LVC MO S	M-LVDS LVC MO S	3.3	2 4		4 1.5	160 0 230 0	100	200	SOIC-8

欲了解更多信息，请联系您当地的销售支援 [www.onsemi.cn](http://www.onsemi.cn)。

创建于：8/14/2020