

Low Dissipation, 5Mbps, RS-422 Interface Circuit

PRODUCT DESCRIPTION

The MS2583/MS2583M is a RS-422 communication interface circuit, which is featured by low dissipation, 5Mbps and high ESD capacity. In receiver mode, the dissipation is only about 0.3mA. The electrostatic discharge (ESD) in A/B terminal can be up to $\pm 15\text{kV}$ and no self-excited phenomenon. When circuit temperature is too high due to high current caused by shorted output, the internal thermal shutdown circuit operates and disables output to enter high impedance state.


SOP8

FEATURES

- Low Dissipation: Receiver Mode: $300\mu\text{A}(5\text{V})$
- ESD: Z/Y, A/B $\pm 15\text{kV}$ (HBM)
- Bus Maximum Connection: 128 Nodes
- Data Rate: 5Mbps (Max)
- Compatible with other 422 chips


MSOP8

APPLICATIONS

- Industrial Automation
- Electricity Meter, Water Meter
- HVAC Systems
- Process Control
- Motion Control
- RS-422 Interface

PRODUCT SPECIFICATION

Part Number	Package	Marking
MS2583	SOP8	MS2583
MS2583M	MSOP8	MS2583M