

ADVANCE INFORMATION

All information in this data sheet is preliminary and subject to change.
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Low-Voltage, Phase-Reversal Analog Switch

MAX4528

General Description

The MAX4528 is a low-voltage, CMOS analog IC configured as a phase-reversal switch and optimized for high-speed applications such as chopper amplifiers.

The MAX4528 operates from a +2.7V to +12V single supply or from ±2.7V to ±6V dual supplies. On-resistance (120Ω max) is matched between switches to 4Ω (max). Each switch can handle Rail-to-Rail® analog signals. Off-leakage current is only 0.5nA at +25°C and 40nA at +85°C.

All digital inputs have +0.8V and +2.4V logic thresholds, ensuring TTL/CMOS-logic compatibility.

Features

- ◆ Low Charge Injection, 5pC (max)
- ◆ 120Ω Signal Paths with ±5V Supplies
- ◆ Rail-to-Rail Signal Handling
- ◆ tON/tOFF = 150ns/100ns at a ±5V Supply
- ◆ 10μA (max) Power Consumption
- ◆ >2kV ESD Protection per Method 3015.7
- ◆ TTL/CMOS-Compatible Inputs
- ◆ Small Packages: 8-Pin DIP/SO

Applications

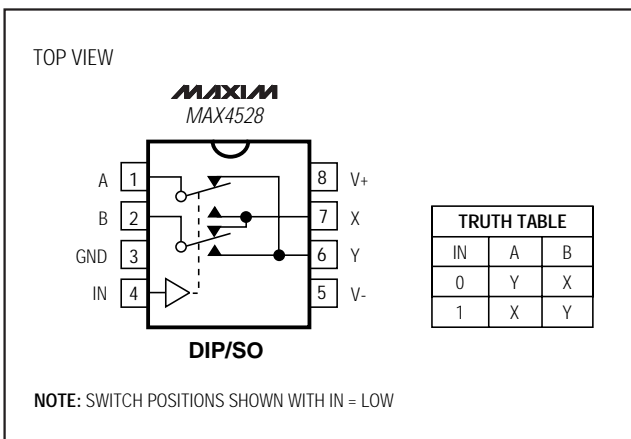
- Chopper-Stabilized Amplifiers
- Balanced Modulators/Demodulators
- Data Acquisition
- Test Equipment
- Audio-Signal Routing

Ordering Information

PART	TEMP. RANGE	PIN-PACKAGE
MAX4528CPA	0°C to +70°C	8 Plastic DIP
MAX4528CSA	0°C to +70°C	8 SO
MAX4528CUA	0°C to +70°C	8 μMAX
MAX4528C/D	0°C to +70°C	Dice*
MAX4528EPA	-40°C to +85°C	8 Plastic DIP
MAX4528ESA	-40°C to +85°C	8 SO
MAX4528EUA	-40°C to +85°C	8 μMAX

*Contact factory for dice specifications.

Pin Configuration/ Functional Diagram/Truth Table



Rail-to-Rail is a registered trademark of Nippon Motorola Ltd.



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