

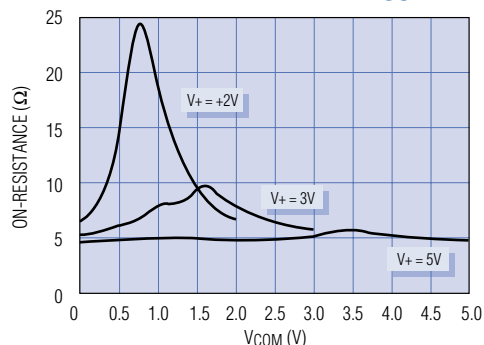
WORLD'S FASTEST, LOWEST ON-RESISTANCE 4066

New Quad Switch Family Features 12ns Switching Times and 10Ω Ron

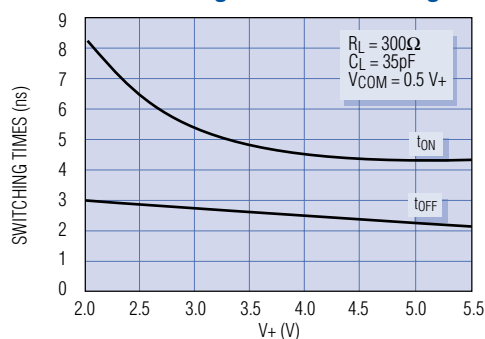
The MAX4614–MAX4616 family of quad SPST switches is pin compatible with the industry-standard 74HC4066 and MAX4610. **They offer 10-times-lower on-resistance, 4-times-faster switching, and 20-times-better matching and flatness specs than their predecessors.** These improvements instantly enhance the performance of high-end audio equipment, pixel switching applications, and video on-demand systems.

- ◆ **Low Ron (10Ω max at 5V)**
- ◆ **Fast Switching Speeds (12ns tON, 10ns tOFF)**
- ◆ **Pin Compatible with Industry-Standard 74HC4066 (MAX4614)**
- ◆ **2.0V to 5.5V Specified Supply Operation**
- ◆ **Low Ron Match and Flatness Between Channels (1Ω max)**
- ◆ **High Off-Isolation (-85dB @ 100kHz)**
- ◆ **Low Crosstalk (-96dB @ 100kHz)**
- ◆ **Guaranteed Low Leakage Current (1nA max at +25°C)**
- ◆ **TTL/CMOS Logic Input Control**
- ◆ **Available in Tiny 14-Pin TSSOP, SOIC, and DIP Packages**

On-Resistance vs. VCOM



Switching Time vs. Voltage



Upgrade Your Industry-Standard 74HC4066 Today!

PART	FUNCTION	SWITCH STATES		Ron (Ω max)	Ron MATCH/FLATNESS (Ω max)	SWITCHING TIMES		INDUSTRY-STANDARD PINOUT
		NO	NC			tON	tOFF	
MAX4614	Quad SPST	4	—	10	1	12	10	74HC4066/ MAX4610
MAX4615	Quad SPST	—	4	10	1	12	10	MAX4611
MAX4616	Quad SPST	2	2	10	1	12	10	—



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