

# IMPROVED DG417-419 HAVE 10Ω RON, SOT23 PACKAGES

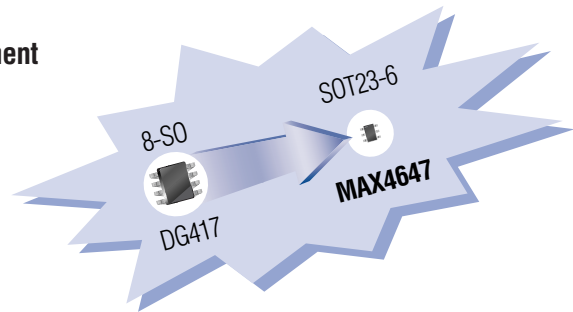
## New Analog Switch Family Offers 3x Lower RON, 70% Smaller Package

Maxim's new MAX4647-MAX4649 are electrically equivalent to the industry-standard DG417-419, but are available in tiny SOT23 packages versus the existing 8-pin SO.

The MAX4655-MAX4660 have dramatically lower on-resistance (10Ω vs. 35Ω) and much higher current handling capability (300mA vs. 30mA) than the DG417-419. These are the highest performance medium-voltage analog switches on the market, and can replace many existing mechanical relay solutions.

These devices are featured in single-pole/single-throw (SPST) and single-pole/double-throw (SPDT) configurations and operate from ±15V or +12V supplies.

- ◆ **MAX4647/MAX4648/MAX4649**
  - ◆ **SOT23 Packages**
  - ◆ **Equivalent Pin Configurations for Drop-In Replacement**
  - ◆ **25Ω RON max at ±15V**
  - ◆ **No VL Supply Required (3V Logic Compatible)**
  - ◆ **Ideal for xDSL Modems, Telecom Line Cards**
- ◆ **MAX4655/MAX4656/MAX4660**
  - ◆ **10Ω RON max at ±15V**
  - ◆ **300mA Continuous Current (400mA Peak)**
  - ◆ **8-Pin μMAX-EP and Standard 8-SO-EP Packages**
  - ◆ **No VL Supply Required (3V Logic Compatible)**
  - ◆ **Ideal for ATE, Mechanical Reed Relay Replacement**



## Replace Your Existing DG417-419 Design with Smaller, Higher-Performance Switches from Maxim!

PART	FUNCTION	RON max (Ω)	RON MATCH (Ω)	CONTINUOUS CURRENT (mA)	SUPPLY VOLTAGE (V)	PIN-PACKAGE	PRICE (\$)*
DG417/18	SPST NC/NO	35	—	30	±4 to ±20, +4.5 to +36	8-SO	0.95
MAX4647/48	SPST NC/NO	25	—	60	±4 to ±20, +4.5 to +36	6-SOT23	1.10
MAX4655/56	SPST NC/NO	10	—	300	±4.5 to ±20, +9 to +40	8-μMAX-EP/SO-EP	1.40
MAX4657/58	SPST NC/NO	10	—	150	±4.5 to ±20, +9 to +40	8-μMAX/SO	1.20
DG419	SPDT	35	3	30	±4 to ±20, +4.5 to +36	8-SO	1.13
MAX4649	SPDT	40	3	30	±4 to ±20, +4.5 to +36	8-SOT23	1.20
MAX4659	SPDT	25	3	75	±4.5 to ±20, +9 to +40	8-μMAX/SO	1.30
MAX4660	SPDT	25	3	150	±4.5 to ±20, +9 to +40	8-μMAX-EP/SO-EP	1.50

\*1,000 units, FOB USA.



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