

Analogue Switch, SPDT, 2 Channels, 45 ohm, 5V to 34V, $\pm 5V$ to $\pm 17V$, TSSOP, 16 Pins

Manufacturers	Renesas Technology Corp
Package/Case	TSSOP-16
Product Type	Interface ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for DG403DVZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Maxim's redesigned DG401/DG403/DG405 analog switches now feature guaranteed low on-resistance matching between switches (2Ω max) and guaranteed on-resistance flatness over the signal range (3Ω max). These low on-resistance switches (20Ω typ) conduct equally well in either direction and are guaranteed to have low charge injection ($15pC$ max). The new design offers lower off leakage current over temperature (less than $5nA$ at $+85^\circ C$). The DG401/DG403/DG405 are dual, high-speed switches. The single-pole/single-throw DG401 and double-pole/single-throw DG405 are normally open dual switches. The dual, single-pole/double-throw DG403 has two normally open and two normally closed switches. Switching times are $150ns$ max for t_{ON} and $100ns$ max for t_{OFF} , with a maximum power consumption of $35\mu W$. These devices operate from a single $+10V$ to $+30V$ supply, or bipolar supplies of $\pm 4.5V$ to $\pm 20V$. Maxim's improved DG401/DG403/DG405 are fabricated with a $44V$ silicon-gate process.

Features

ON Resistance (Max) 45Ω

Low Power Consumption (P_D) <35μW

Fast Switching Action

tON (Max) 150ns

tOFF (Max) 100ns

Low Charge Injection

DG401 Dual SPST; Same Pinout as HI-5041

DG403 Dual SPDT; DG190, IH5043, IH5151, HI-5051

TTL, CMOS Compatible

Single or Split Supply Operation

Pb-Free Plus Anneal Available (RoHS Compliant)

Application

Audio-Signal Routing

Battery-Powered Applications

Communication Systems

Guidance and Control Systems

Heads-Up Displays

Military Radios

PBX, PABX

Sample-and-Hold Circuits

Test Equipment

Related Products



[DG408DJZ](#)

Renesas Technology Corp
DIP-16



[DG409DYZ](#)

Renesas Technology Corp
SOIC-16



[DG406DYZ](#)

Renesas Technology Corp
SOP-28



[DG408DVZ-T](#)

Renesas Technology Corp
TSSOP-16



[DG445DYZ](#)

Renesas Technology Corp
SOIC-16



[DG413DYZ-T](#)

Renesas Technology Corp
SOIC-16



[DG411DYZ](#)

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[DG412DYZ](#)

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SOIC-16