

## DG403DVZ

Data Sheet

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

| Manufacturers | Renesas Technology Corp | personal                      |
|---------------|-------------------------|-------------------------------|
| Package/Case  | TSSOP-16                |                               |
| Product Type  | Interface ICs           | mmm                           |
| RoHS          | Rohs                    |                               |
| Lifecycle     |                         | Images are for reference only |
|               |                         |                               |

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

<u>RFO</u>

#### **General Description**

Maxim's redesigned DG401/DG403/DG405 analog switches now feature guaranteed low on-resistance matching between switches ( $2\Omega$  max) and guaranteed on-resistance flatness over the signal range ( $3\Omega$  max). These low on-resistance switches ( $20\Omega$  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°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 tON and 100ns max for tOFF, with a maximum power consumption of  $35\mu$ W. These devices operate from a single +10V to +30V supply, or bipolar supplies of ±4.5V to ±20V. Maxim's improved DG401/DG403/DG405 are fabricated with a 44V silicon-gate process.

#### Features

ON Resistance (Max)  $45\Omega$ Low Power Consumption ( $P_D$ ) <35 $\mu$ W 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)

#### **Related Products**



DG408DJZ Renesas Technology Corp DIP-16



DG406DYZ Renesas Technology Corp SOP-28



Renesas Technology Corp SOIC-16

**DG445DYZ** 



### **DG411DYZ** Renesas Technology Corp SOIC-16

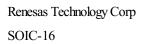






**DG413DYZ-T** 

#### **DG412DYZ**



**Battery-Powered Applications** Communication Systems Guidance and Control Systems Heads-Up Displays

Military Radios

Application

Audio-Signal Routing

PBX, PABX

Sample-and-Hold Circuits

Test Equipment



# **DG409DYZ**

Renesas Technology Corp SOIC-16

#### DG408DVZ-T

Renesas Technology Corp TSSOP-16

Renesas Technology Corp SOIC-16