

Analog Multiplexer/Demultiplexer 8:1, 1 Circuit, 100 ohm, 5V to 34V,  $\pm 5V$  to  $\pm 20V$  Supply, TSSOP-16

Manufacturers	<a href="#">Renesas Technology Corp</a>
Package/Case	TSSOP-16
Product Type	Interface ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for DG408DVZ-T or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

Maxim's redesigned DG408 and DG409 CMOS analog multiplexers now feature guaranteed matching between channels ( $8\Omega$  max) and flatness over the specified signal range ( $9\Omega$  max). These low on-resistance muxes ( $100\Omega$  max) conduct equally well in either direction and feature guaranteed low charge injection ( $15pC$  max). In addition, these new muxes offer low input off-leakage current over temperature  $\mu$ less than  $5nA$  at  $+85^\circ C$ . The DG408 is a 1-of-8 multiplexer/demultiplexer and the DG409 is a dual 4-channel multiplexer/demultiplexer. Both muxes operate with a  $+5V$  to  $+30V$  single supply and with  $\pm 5V$  to  $\pm 20V$  dual supplies. ESD protection is guaranteed to be greater than  $2000V$  per Method 3015.7 of MIL-STD-883. These improved muxes are pin-compatible plug-in upgrades for the industry standard DG408 and DG409.

## Features

ON Resistance (Max, 25°C) 100Ω

Low Power Consumption ( $P_D$ ) <11mW

Fast Switching Action

$t_{TRANS}$  <250ns

$t_{ON/OFF(EN)}$  <150ns

Low Charge Injection

Upgrade from DG508A/DG509A

TTL, CMOS Compatible

Single or Split Supply Operation

Pb-Free Plus Anneal Available (RoHS Compliant)

## Application

Audio-Signal Routing

Communication Systems

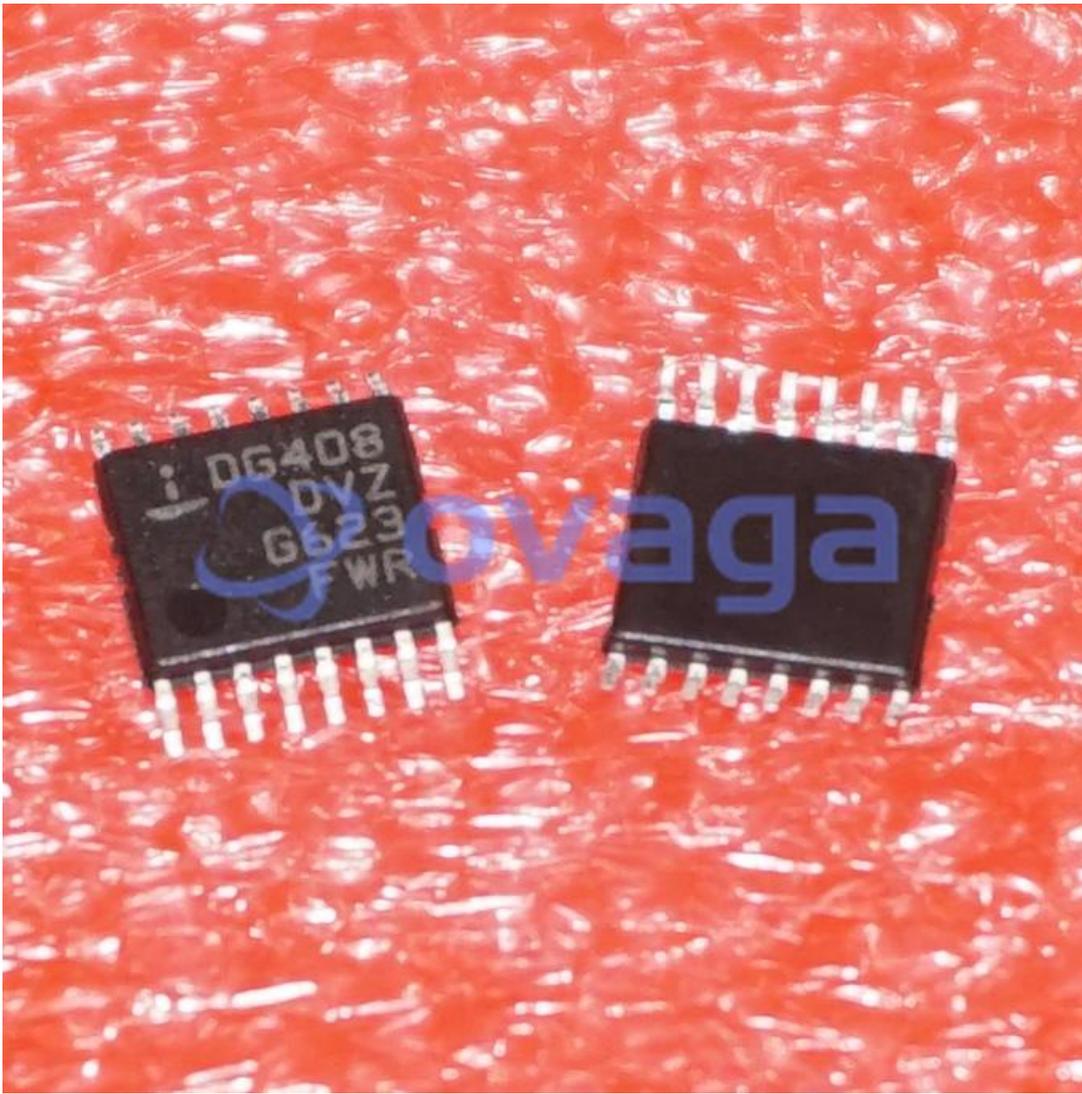
Data Acquisition

Guidance and Control Systems

Sample-and-Hold Circuits

Test Equipment





## Related Products



### [DG408DJZ](#)

Renesas Technology Corp  
DIP-16



### [DG406DYZ](#)

Renesas Technology Corp  
SOP-28



### [DG413DYZ-T](#)

Renesas Technology Corp  
SOIC-16



### [DG409DYZ](#)

Renesas Technology Corp  
SOIC-16



### [DG445DYZ](#)

Renesas Technology Corp  
SOIC-16



### [DG411DYZ](#)

Renesas Technology Corp  
SOIC-16



[DG412DYZ](#)

Renesas Technology Corp

SOIC-16



[DG407DYZ](#)

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SOIC-28