DG413DYZ

Data Sheet

Analogue Switch, Quad Channel, 4 Channels, SPST, 35 ohm, 5V to 34V, SOIC, 16 Pins

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

Images are for reference only

Please submit RFQ for DG413DYZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

Maxim's redesigned DG411/DG412/DG413 analog switches now feature low on-resistance matching between switches (3Ω max) and guaranteed on-resistance flatness over the signal range (Δ4Ω max). These low on-resistance switches conduct equally well in either direction. They guarantee low charge injection, low power consumption, and an ESD tolerance of 2000V minimum per Method 3015.7. The new design offers lower off-leakage current over temperature (less than 5nA at +85°C). The DG411/DG412/DG413 are quad, single-pole/single-throw (SPST) analog switches. The DG411 is normally closed (NC), and the DG412 is normally open (NO). The DG413 has two NC switches and two NO switches. Switching times are less than 150ns max for tON and less than 100ns max for tOFF. These devices operate from a single +10V to +30V supply, or bipolar ±4.5V to ±20V supplies. Maxim's improved DG411/DG412/DG413 are fabricated with a 44V silicon-gate process.

Features

ON-Resistance (Max) 35Ω

Low Power Consumption (P_D) <35µW

Fast Switching Action

t_{ON} (Max) 175ns

t_{OFF} (Max) 145ns

Low Charge Injection

Upgrade from DG211, DG212

TTL, CMOS Compatible

Single or Split Supply Operation

Pb-Free Plus Anneal Available (RoHS Compliant)

Application

Audio Signal Routing

Battery-Operated Systems

Communication 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

Renesas Technology Corp

SOIC-16

DG412DYZ

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SOIC-16