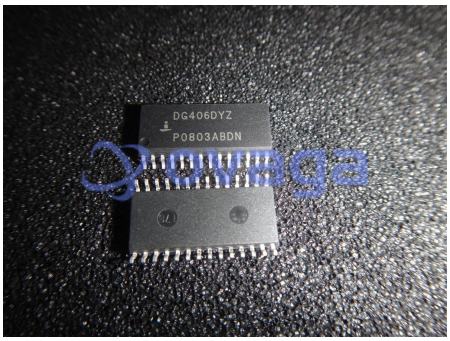
DG406DYZ

Data Sheet

16:1 Analog Multiplexer IC, Single, 50 ohm, ± 15V, SOIC-28

Manufacturers	Renesas Technology Corp
Package/Case	SOP-28
Product Type	Interface ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for DG406DYZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

Maxim's redesigned DG406 and DG407 CMOS analog multiplexers now feature guaranteed matching between channels (8Ω max) and flatness over the specified signal range (9Ω max). These low on-resistance muxes (100Ω 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,less than 5nA at +85°C.The DG406 is a 1 of 16 multiplexer/demultiplexer and the DG407 is a dual 8-channel multiplexer/demultiplexer. Both muxes operate with a +5V to +30V single supply and with ±4.5V to ±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 DG406 and DG407.

Features

ON-Resistance (Max): 100Ω

Low Power Consumption (P_D): <1.2mW

Fast Transition Time (Max): 300ns

Low Charge Injection

TTL, CMOS Compatible

Single or Split Supply Operation

Pb-Free (RoHS Compliant)

Application

Audio Signal Routing

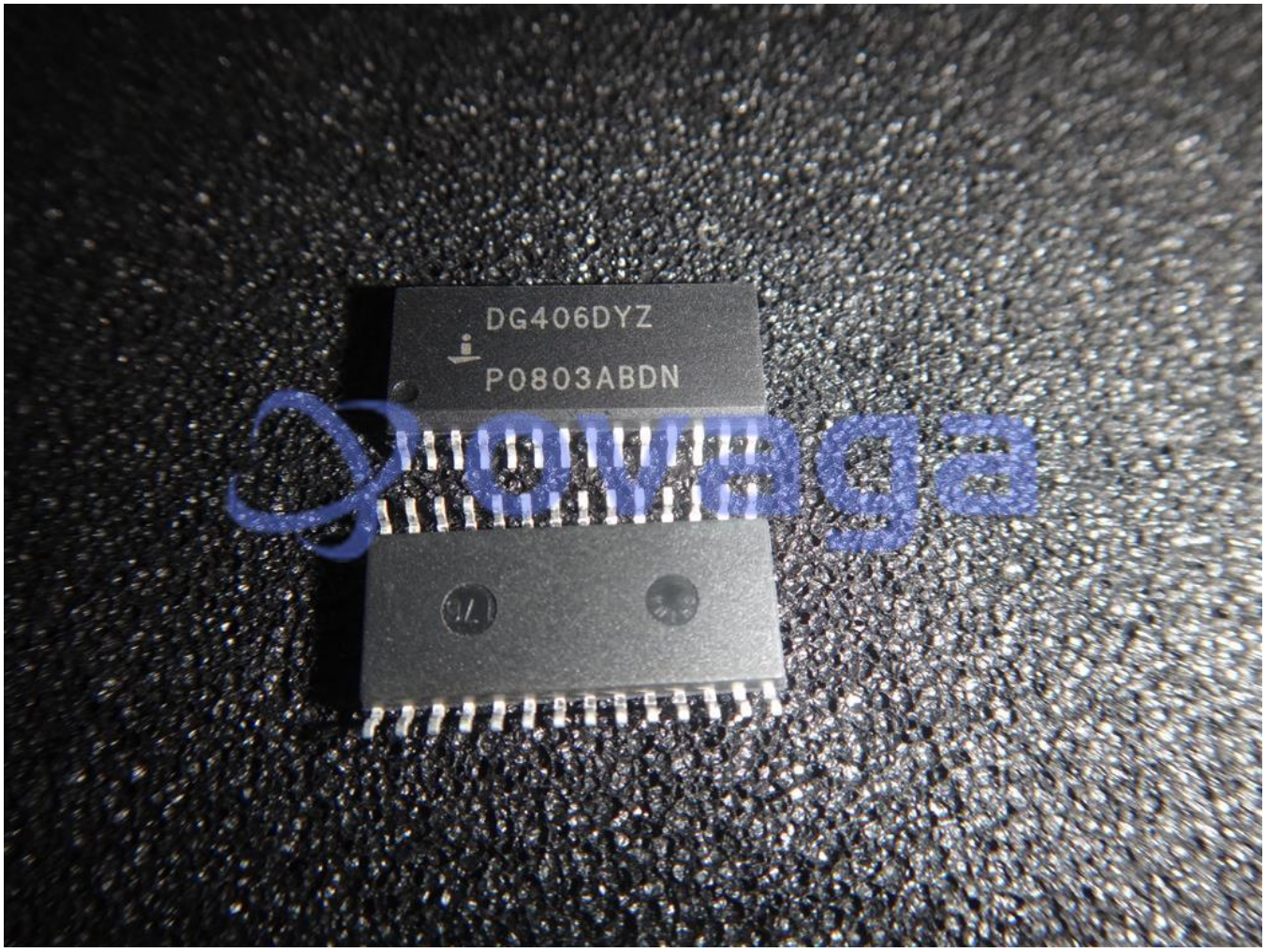
Communication Systems

Data Acquisition Systems

Guidance and Control Systems

Sample-and-Hold Circuits

Test Equipment


DG406DYZ
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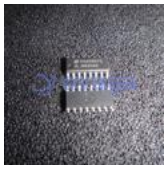
Related Products

[DG408DJZ]

Renesas Technology Corp

DIP-16



[DG409DYZ]

Renesas Technology Corp

SOIC-16

[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

Renesas Technology Corp

SOIC-16

DG407DYZ

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SOIC-28