ISL43240IAZ

Data Sheet

Pb-Free SWITCH 4X SPDT +/-5V 18 OHM 20SSOP IND HT SUSA
CODE:8542390000

Images are for reference only

Manufacturers	Renesas Technology Corp
Package/Case	SSOP-20
Product Type	Interface ICs
RoHS	Rohs
Lifecycle	

Please submit RFQ for ISL43240IAZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The Intersil ISL43240 device is a CMOS, precision, quad SPDT analog switch designed to operate from a single +2V to +12V supply or from a ±2V to ±6V supply. Targeted applications include battery powered equipment that benefit from the devices' low power consumption (5µW), low leakage currents (5nA max), and fast switching speeds = 40ns). A 5Ω maximum rON flatness ensures signal fidelity, while channel-to-channel mismatch is guaranteed to be less than 2Ω.The ISL43240 is a quad single-pole/double-throw (SPDT) device and can be used as a quad SPDT, a quad 2:1 multiplexer, a single 4:1 multiplexer or a dual 2-channel differential multiplexer.Table 1 summarizes the performance of this family.

Features

Fully specified for 10% tolerances at = 12V, 5V and 3.3V

Four separately controlled SPDT switches

ON-resistance (r_{ON}): 18Ω

r_{ON} matching between channels: <1Ω

Low charge injection: 5pC (Max)

Low power consumption (P_D): <5μW

Low off leakage current (max at +85°C): 2.5nA

Fast switching action

t_{ON}: 52ns

t_{OFF}: 40ns

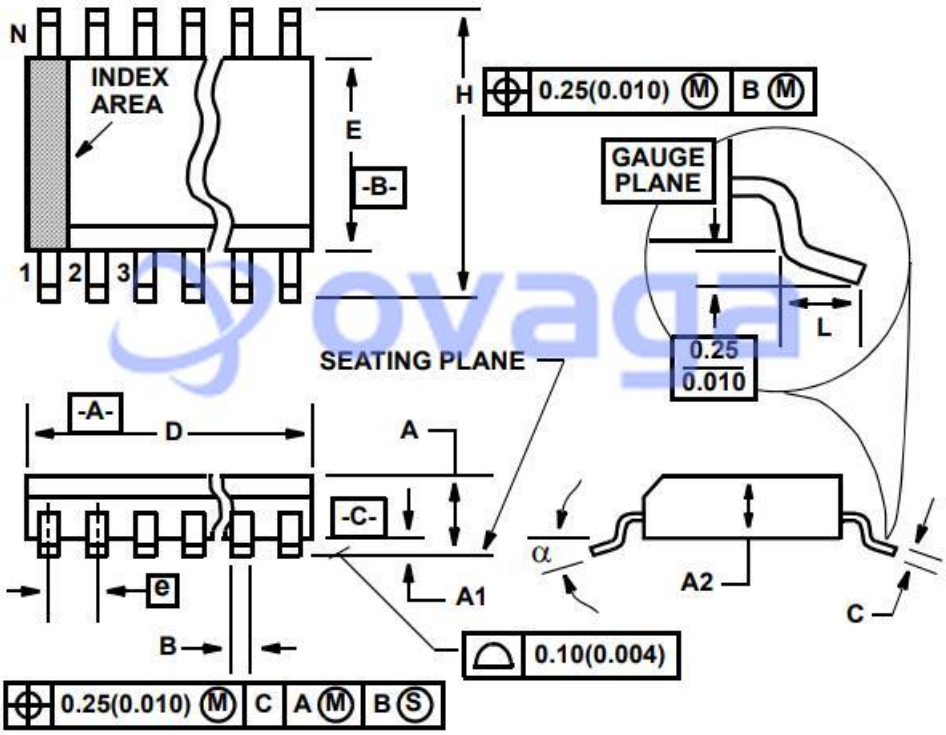
Guaranteed break-before-make

Minimum 2000V ESD protection per Method 3015.7

TTL, CMOS compatible

Pb-free (RoHS compliant)

Shrink Small Outline Plastic Packages (SSOP)



Related Products

[ISL83491IBZ](#)

Renesas Technology Corp

SOIC-14

[ISL3170EIUZ](#)

Renesas Technology Corp

MSOP-10

[ISL99227FRZ-T](#)

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TSSOP-24