Analog Multiplexer, 8:1, Single, 0.75 ohm, 1.65V to 3.6V Supply, TQFN-16

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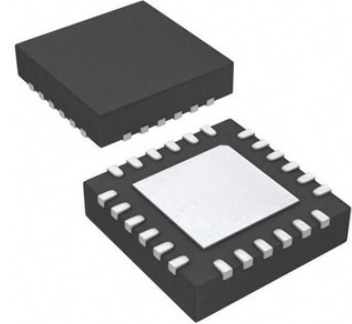
Images are for reference only

Please submit RFQ for ISL84781IRZ or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

The Intersil ISL84781 device contains precision, bidirectional, analog switches configured as an 8-channel multiplexer/demultiplexer. It is designed to operate from a single +1.6V to +3.6V supply. The device has an inhibit pin to simultaneously open all signal paths. ON-resistance is 0.4Ω with a +3.0V supply and 0.55Ω with a single +1.8V supply. Each switch can handle rail-to-rail analog signals. The off-leakage current is only 4nA max at +25°C or 40nA max at +85°C with a +3.3V supply. All digital inputs are 1.8V logic-compatible when using a single +3V supply. The ISL84781 is a 8-to-1 multiplexer device that is offered in a 16 Ld TSSOP package, and a 16 Ld thin QFN package.

Features

Pin Compatible Replacement for the MAX4781, and MAX4617

ON-resistance (r

ON

V+ = +3.0V: 0.4Ω

V+ = +1.8V: 0.55Ω

r

ON

r

ON

Single Supply Operation: +1.6V to +3.6V

Low Power Consumption (PD): <0.2μW

Fast Switching Action>

t

ON

t

OFF

Guaranteed Break-Before-Make

High Current Handling Capacity (300mA Continuous)

Available in 16 Ld TSSOP and 16 Ld 3x3 Thin QFN

1.8V CMOS-Logic Compatible (+3V Supply)

Pb-Free (RoHS Compliant)

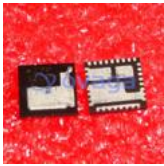ISL84781IR Replaces the ISL43L680IR.

Related Products

ISL83491IBZ

Renesas Technology Corp

SOIC-14

ISL3170EIUZ

Renesas Technology Corp

MSOP-10

ISL99227FRZ-T

Renesas Technology Corp

32-PowerWFQFN

ISL83078EIBZA

Renesas Technology Corp

SOIC-8

ISL83072EIBZA

Renesas Technology Corp

SOIC-8

ISL81487EIBZ

Renesas Technology Corp

SOP-8

IS82C55AZ

Renesas Technology Corp

PLCC-44

ISL83387EIVZ

Renesas Technology Corp

TSSOP-24

Ovaga Technologies Limited