

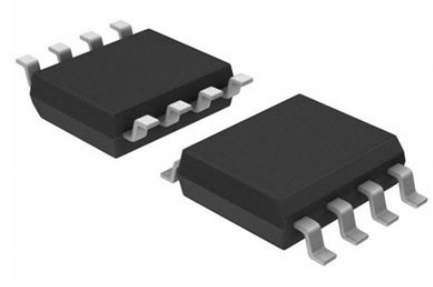
Manufacturers [Infineon Technologies Corporation](#)

Package/Case PG-TSDSO-14

Product Type

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for ITS4090QEPDXUMA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ITS4090Q-EP-D is a 90m Ω Quad Channel Smart High-Side Power Switch providing integrated protection functions and a diagnosis feedback. With four channels capable of currents of more than 500 mA each, very low typical $R_{DS(ON)}$ values of 140m Ω at >

Features

Quad channel Smart High-Side Power Switch with integrated protection and diagnosis

Maximum RDS(ON) 90mΩ per channel at>

Nominal output current capability up to 750 mA

Low and accurate current limitation: 1.5 A (± 20 %)

Extended supply voltage range up to 45 V

All control inputs 24 V capable and support direct interface to optocouplers

All control inputs 3.3 V and 5 V logic level compatible

4 kV electrostatic discharge protection (ESD)

Optimized electromagnetic compatibility

Very small, thermally enhanced TSDSO-14 package

Device robustness validated by extended qualification according to JEDEC standard “JESD47J”

Green product (RoHS compliant)

Application

Digital output modules (PLC applications, factory automation)

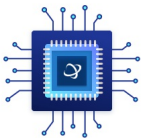
Industrial peripheral switches and power distribution

Switching resistive, inductive and capacitive loads in harsh industrial environments

Replacement for electromechanical relays, fuses and discrete circuits

Most suitable for loads that require a precise current limit

Related Products



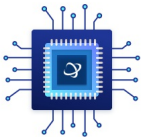
[ITS4140](#)

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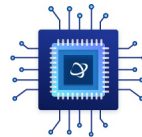
[TLE6250GITJJK](#)

Infineon Technologies Corporation
SOP8



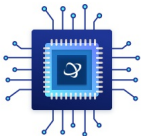
[ITS42008SBD](#)

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[ITS4090Q-EP-D](#)

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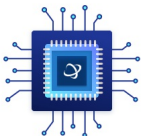
[ITS716GFUMA](#)

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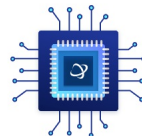
[ITS42K5DLDF](#)

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[ITS4200SMEN](#)

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[ITS4130Q-EP-D](#)

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