PRODUCTS SELECTION GUIDE

CHIPANALOG

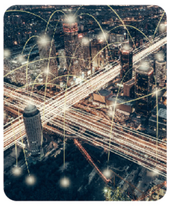
川土微电子

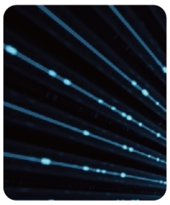
Shanghai Chipanalog Microelectronics Co., Ltd

Shanghai Chipanalog Microelectronics Co., Ltd. is a high-tech company focusing on R&D, design and sales of high-end analog chips. The product portfolio involves isolation and interface, driver and power, high-performance analog. Currently, these products have been widely used in industrial control, power energy, communication and computing, automotive and other fields.

Founded in Shanghai, China in 2016, Chipanalog has developed so rapidly. Up to now, we have cooperated with more than 3000 customers coming from various countries around the world and encompassing well-known enterprises in various fields.

SEMICONDUCTORS SUPPLIER





CERTIFICATIONS AND STANDARDS

ISO26262 Certification

Certificate

Functional Safety Management

FS Management (TÜV Rheinland)
ISO 26262 Road vehicles — Functional safety
A-FSM 187

Certificate No.	**968/A-FSM 187.00/22**
Certified Company & Location	**Shanghai Chipanalog Microelectronics Co., LTD.** 2F, Block C, No.599, GaoJing Road, Qingpu District, Shanghai, **P.R. China**
Scope of Certification	**ISO 26262-2:2018 (in extracts) Management of functional safety** **ISO 26262-5:2018 Product development at the hardware level** **ISO 26262-8:2018 (in extracts) Supporting processes** **ISO 26262-9:2018 ASIL-oriented and safety-oriented analyses**

CHIPANALOG 川土微电子

In addition, the informative part ISO 26262-11:2018 "Guidelines on application of ISO 26262 to semiconductors" was taken into account for appropriate judgments on compliance with ISO 26262-5.

The Certified Company has successfully demonstrated during an audit process that a Functional Safety Management System has been established.

Maturity Level: Managed

Purpose of the audit is to obtain evidence of compliance with the organizational requirements related to the following aspects, **Management of Functional Safety, Documentation and Safety Lifecycle Phases** according to the Scope of Certification up to and including **Automotive Safety Integrity Level ASIL D**.
This covers **development of integrated circuits** according to ISO 26262.

Excluded from certification are: ISO 26262:2018 parts 2-7, 8-5, 8-12, 8-14, 8-15 and 8-16

As part of the audit process organizational and informational exchange / supply related to other respective Safety Lifecycle Phases between the Certified Company and its customer is considered.
This FSM Certification only refers to the listed company location and their involved departments, which comply with the organizational FSM requirements for the listed Scope of Certification. It does not replace any kind of product specific Confirmation Measures including product specific audits or assessments.

Validity This certificate is valid until 2023-08-25

TÜV Rheinland Industrie Service GmbH
Bereich Automation
Funktionale Sicherheit
Am Grauen Stein, 51105 Köln

Cologne, 2022-08-25

Dipl.-Ing. (FH) Wolf Rückwart

TÜV Rheinland
Industrie Service GmbH
Automation and Functional Safety
Am Grauen Stein
51105 Cologne - Germany

Certification Body Safety & Security for Automation & Grid
Further information referring to the scope of certification, see http://www.tuvasi.com

www.fs-products.com
www.tuv.com

TÜVRheinland®
Precisely Right.

CNAS Laboratory Accreditation Certification

Iso-relevant Certification

Auto-relevant Certification

ilac-MRA CNAS

China National Accreditation Service for Conformity Assessment

LABORATORY ACCREDITATION CERTIFICATE

(Registration No. CNAS L17884)

Test Center of Shanghai Chipanalog Microelectronics Co., Ltd.

(Legal Entity: Shanghai Chipanalog Microelectronics Co., Ltd.)

3-4/F., Building 4, No.1, Wangdong Middle Road, Sijing, Songjiang District, Shanghai, China

is accredited in accordance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories(CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence to undertake the service described in the schedule attached to this certificate.

The scope of accreditation is detailed in the attached schedule bearing the same registration number as above. The schedule forms an integral part of this certificate.

Effective Date：2023-02-24
Expiry Date：2029-02-23

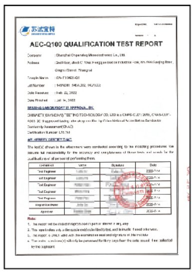
Signed on behalf of China National Accreditation Service for Conformity Assessment 张朝华

China National Accreditation Service for Conformity Assessment (CNAS) is authorized by Certification and Accreditation Administration of the People's Republic of China (CNCA) to operate the national accreditation schemes for conformity assessment. CNAS is a signatory of the International Laboratory Accreditation Cooperation Mutual Recognition Arrangement (ILAC MRA) and the Asia Pacific Accreditation Cooperation Mutual Recognition Arrangement (APAC MRA).
The validity of the certificate can be checked on CNAS website at http://www.cnas.org.cn/english/findanaccreditedbody/index.shtml.

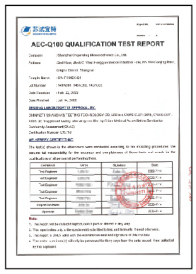
CERTIFICATE OF COMPLIANCE

VDE Prüf- und Zertifizierungsinstitut

ZEICHENGENEHMIGUNG
MARKS APPROVAL



AEC-Q100 QUALIFICATION TEST REPORT

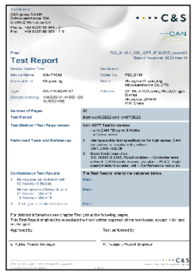


AEC-Q100 QUALIFICATION TEST REPORT

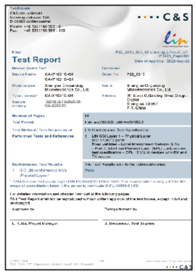
CERTIFICATE OF COMPLIANCE

VDE Prüf- und Zertifizierungsinstitut

GUTACHTEN MIT FERTIGUNGSÜBERWACHUNG
CERTIFICATE OF CONFORMITY WITH FACTORY SURVEILLANCE



C&S
Test Report



C&S
Test Report

Product Matrix

Isolation & Interface	Driver & Power	HPA
Digital Isolation Isolated Interface Interface	Isolated Gate Driver Power Management Driver & Switch	Sensor & Sampling High-Precision Signal Chain High-Speed Signal Chain

μMiC(micro-Module in Chip) Products

μMiC Products

μMiC is a series of Chipanalog micro-module in chip products.
These featured products integrate high-performance IC design, advanced packaging technologies and system level integration within a single module, offer a complete system-level solution for the end customers. Our μMiC@ technology is committed to providing differentiated design and helping customer dramatically reduce system design complexity, size and total cost. Also, high integration simplifies the components supply-chain and ensures the safety of the supply chain.

μMiC A	μMiC B	μMiC C
Multi-die Multi-die substrate Cap.Ind.	Functional Safety Signal Chain Power Management Digital Control	Functional Safety Signal Chain Power Management Digital Control
With Isolated Power Supply	**Power Integration**	**Functional Integration**

1 ISOLATION & INTERFACE

CHIPANALOG

Digital Isolation

Chipanalog Products Selection_Digital Isolators with Iso-Power （μMiC）

CHIPANALOG

Part number	With iso-power	Number of channels	Number of reversed channels	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating HBM(V)	Data rate (bps)	Operating voltage range (V)	Operating current per channe @ 1Mbps(mA,typ)	Default output	Temperature range (°C)	Package
CA-IS3620LW	Yes	2	0	5000	150	10	6000	DC-100M	3-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3621LW	Yes	2	1	5000	150	10	6000	DC-100M	3-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3621LVW	Yes	2	1	5000	150	10	6000	DC-100M	3-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3640HW	Yes	4	0	5000	150	10	6000	DC-100M	3-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3641HW	Yes	4	1	5000	150	10	6000	DC-100M	3-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3642HW	Yes	4	2	5000	150	10	6000	DC-100M	3-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3643HW	Yes	4	3	5000	150	10	6000	DC-100M	3-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3644HW	Yes	4	4	5000	150	10	6000	DC-100M	3-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3640LW	Yes	4	0	5000	150	10	6000	DC-100M	3-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3641LW	Yes	4	1	5000	150	10	6000	DC-100M	3-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3642LW	Yes	4	2	5000	150	10	6000	DC-100M	3-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3643LW	Yes	4	3	5000	150	10	6000	DC-100M	3-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS-3644LW	Yes	4	4	5000	150	10	6000	DC-100M	3-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3640HVW	Yes	4	0	5000	150	10	6000	DC-100M	3-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3641HVW	Yes	4	1	5000	150	10	6000	DC-100M	3-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3642HVW	Yes	4	2	5000	150	10	6000	DC-100M	3-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3643HVW	Yes	4	3	5000	150	10	6000	DC-100M	3-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3644HVW	Yes	4	4	5000	150	10	6000	DC-100M	3-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3640LVW	Yes	4	0	5000	150	10	6000	DC-100M	3-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3641LVW	Yes	4	1	5000	150	10	6000	DC-100M	3-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3642LVW	Yes	4	2	5000	150	10	6000	DC-100M	3-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3643LVW	Yes	4	3	5000	150	10	6000	DC-100M	3-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3644LVW	Yes	4	4	5000	150	10	6000	DC-100M	3-5.5	1.5	Low	-40~125	SOIC16-WB(W)

Chipanalog Products Selection_Ultra-small Digital Isolators with Iso-power （μMiC）

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Part number	With iso-power	Number of channels	Number of reversed channels	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating HBM(kV)	Data rate (bps)	Operating Voltage Range (V)	Operating current per channel @ 1Mbps(mA,typ)	Default output	Temperature range (°C)	Package
CA-IS2631HA	Yes	3	1	2500	50	8	4	DC-50M	3-5.5	1.5	High/Low	-40~125	LGA

Chipanalog Products Selection_Standard Digital Isolators

CHIPANALOG

Part number	Number of channels	Number of reversed channels	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating HBM(V)	Data rate (bps)	Operating voltage range (V)	Operating current per channel @ 1Mbps(mA,typ)	Default output	Temperature range (°C)	Package
Dual Channel Standard Digital Isolators												
CA-IS3720HS	2	0	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC8(S)
CA-IS3721HS	2	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC8(S)
CA-IS3722HS	2	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC8(S)
CA-IS3720LS	2	0	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC8(S)
CA-IS3721LS	2	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC8(S)
CA-IS3722LS	2	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC8(S)
CA-IS3720HG	2	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC8-WB(G)
CA-IS3721HG	2	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC8-WB(G)

Part number	Number of channels	Number of reversed channels	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating HBM(V)	Data rate (bps)	Operating voltage range (V)	Operating current per channel @ 1Mbps(mA,typ)	Default output	Temperature range (°C)	Package
CA-IS3722HG	2	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC8-WB(G)
CA-IS3720LG	2	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC8-WB(G)
CA-IS3721LG	2	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC8-WB(G)
CA-IS3722LG	2	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC8-WB(G)
CA-IS3720HW	2	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3721HW	2	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3722HW	2	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3720LW	2	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3721LW	2	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3722LW	2	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
Triple Channel Standard Digital Isolators												
CA-IS3730HN	3	0	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-NB(N)
CA-IS3731HN	3	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-NB(N)
CA-IS3730LN	3	0	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-NB(N)
CA-IS3731LN	3	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-NB(N)
CA-IS3730HW	3	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3731HW	3	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3730LW	3	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3731LW	3	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3731HB	3	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SSOP16(B)
CA-IS3731LB	3	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SSOP16(B)
Quad Channel Standard Digital Isolators												
CA-IS3740HN	4	0	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-NB(N)
CA-IS3741HN	4	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-NB(N)
CA-IS3742HN	4	2	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-NB(N)
CA-IS3740LN	4	0	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-NB(N)
CA-IS3740VLN	4	0	3750	150	8	6000	DC-150M	1.7~5.5	1.5	Low	-40~125	SOIC16-NB(N)
CA-IS3741LN	4	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-NB(N)
CA-IS3742LN	4	2	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-NB(N)
CA-IS3740HW	4	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3741HW	4	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3742HW	4	2	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3740LW	4	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3741LW	4	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3742LW	4	2	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3740HB	4	0	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SSOP16(B)
CA-IS3741HB	4	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SSOP16(B)
CA-IS3742HB	4	2	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SSOP16(B)
CA-IS3740LB	4	0	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SSOP16(B)
CA-IS3741LB	4	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SSOP16(B)
CA-IS3742LB	4	2	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SSOP16(B)
Six Channel Standard Digital Isolators												
CA-IS3760HN	6	0	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-NB(N)
CA-IS3761HN	6	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-NB(N)
CA-IS3762HN	6	2	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-NB(N)
CA-IS3763HN	6	3	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-NB(N)
CA-IS3760LN	6	0	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-NB(N)
CA-IS3761LN	6	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-NB(N)

Part number	Number of channels	Number of reversed channels	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating HBM(V)	Data rate (bps)	Operating voltage range (V)	Operating current per channel @ 1Mbps(mA,typ)	Default output	Temperature range (°C)	Package
CA-IS3762LN	6	2	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-NB(N)
CA-IS3763LN	6	3	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-NB(N)
CA-IS3760HW	6	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3761HW	6	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3762HW	6	2	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3763HW	6	3	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3760LW	6	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3761LW	6	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3762LW	6	2	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3763LW	6	3	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3760HB	6	0	3750	50	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SSOP16(B)
CA-IS3761HB	6	1	3750	50	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SSOP16(B)
CA-IS3762HB	6	2	3750	50	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SSOP16(B)
CA-IS3763HB	6	3	3750	50	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SSOP16(B)
CA-IS3760LB	6	0	3750	50	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SSOP16(B)
CA-IS3761LB	6	1	3750	50	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SSOP16(B)
CA-IS3762LB	6	2	3750	50	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SSOP16(B)
CA-IS3763LB	6	3	3750	50	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SSOP16(B)

Chipanalog Products Selection_Automotive Standard Digital Isolators

Part number	Number of channels	Number of reversed channels	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating HBM(V)	Data rate (bps)	Operating voltage range (V)	Operating current per channel @ 1Mbps(mA,typ)	Default output	Temperature range (°C)	Package
CA-IS3710HS-Q1	1	0	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC8(S)
CA-IS3710LS-Q1	1	0	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC8(S)
CA-IS3720HS-Q1	2	0	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC8(S)
CA-IS3720LS-Q1	2	0	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC8(S)
CA-IS3721HS-Q1	2	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC8(S)
CA-IS3721LS-Q1	2	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC8(S)
CA-IS3722HS-Q1	2	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC8(S)
CA-IS3722LS-Q1	2	1	3750	150	8	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC8(S)
CA-IS3720HW-Q1	2	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3720LW-Q1	2	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3721HW-Q1	2	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3721LW-Q1	2	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3722HW-Q1	2	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3722LW-Q1	2	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3720HG-Q1	2	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC8-WB(G)
CA-IS3720LG-Q1	2	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC8-WB(G)
CA-IS3722HG-Q1	1	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC8-WB(G)
CA-IS3722LG-Q1	1	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC8-WB(G)
CA-IS3740HW-Q1	4	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3740LW-Q1	4	0	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3741HW-Q1	4	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3741LW-Q1	4	1	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3742HW-Q1	4	2	5000	150	10	6000	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3742LW-Q1	4	2	5000	150	10	6000	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)

Chipanalog Products Selection_Cost-effective Digital Isolators

CHIPANALOG

Part number	Number of channels	Number of reversed channels	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating HBM(kV)	Data rate (bps)	Operating voltage range (V)	Operating current per channel @ 1Mbps(mA,typ)	Default output	Temperature range (°C)	Package
CA-IS3720CLS	2	0	3750	150	5.3	8	DC-40M	3.0-5.5	2.6	Low	-40~125	SOIC8(S)
CA-IS3720CHS	2	0	3750	150	5.3	8	DC-40M	3.0-5.5	2.6	High	-40~125	SOIC8(S)
CA-IS3721CLS	2	1	3750	150	5.3	8	DC-40M	3.0-5.5	2.6	Low	-40~125	SOIC8(S)
CA-IS3721CHS	2	1	3750	150	5.3	8	DC-40M	3.0-5.5	2.6	High	-40~125	SOIC8(S)
CA-IS3722CHS	2	1	3750	150	5.3	8	DC-40M	3.0-5.5	2.6	High	-40~125	SOIC8(S)
CA-IS3722CHG	2	1	5000	150	11.3	8	DC-40M	3.0-5.5	2.6	High	-40~125	SOIC8(G)
CA-IS3722CHW	2	1	5000	150	11.3	8	DC-40M	3.0-5.5	2.6	High	-40~125	SOIC16-WB(W)
CA-IS3741CHW	4	1	5000	150	11.3	8	DC-40M	3.0-5.5	2.0	High	-40~125	SOIC16-WB(W)
CA-IS3742CHW	4	2	5000	150	11.3	8	DC-40M	3.0-5.5	2.0	High	-40~125	SOIC16-WB(W)
CA-IS3742CLW	4	2	5000	150	11.3	8	DC-40M	3.0-5.5	2.0	Low	-40~125	SOIC16-WB(W)
CA-IS3731CHW	3	1	5000	150	11.3	8	DC-40M	3.0-5.5	2.0	High	-40~125	SOIC16-WB(W)

Chipanalog Products Selection_Low-power Digital Isolators

CHIPANALOG

Part number	Number of channels	Number of reversed channels	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating HBM(V)	Data rate (bps)	Operating voltage range (V)	Operating current per channel @ 1Mbps(mA,typ)	Default output	Temperature range (°C)	Package
CS817x22HS	2	1	3750	150	6.4	5000	200K	2.25-5.5	160	High	-40~105	SOIC8(S)
CS817x22LS	2	1	3750	150	6.4	5000	200K	2.25-5.5	160	Low	-40~105	SOIC8(S)
CS817x20HS	2	0	3750	150	6.4	5000	200K	2.25-5.5	160	High	-40~105	SOIC8(S)
CS817x20LS	2	0	3750	150	6.4	5000	200K	2.25-5.5	160	Low	-40~105	SOIC8(S)

Chipanalog Products Selection_Reinforced Digital Isolators

CHIPANALOG

Part number	Number of channels	Number of reversed channels	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating HBM(kV)	Data rate (bps)	Operating voltage range (V)	Operating current per channel @ 1Mbps(mA,typ)	Default output	Temperature range (°C)	Package
Reinforced Dual Channel Digital Isolators												
CA-IS3820HG	2	0	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC8-WB(G)
CA-IS3820LG	2	0	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC8-WB(G)
CA-IS3821HG	2	1	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC8-WB(G)
CA-IS3821LG	2	1	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC8-WB(G)
CA-IS3822HG	2	1	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC8-WB(G)
CA-IS3822LG	2	1	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC8-WB(G)
CA-IS3820HW	2	0	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3820LW	2	0	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3821HW	2	1	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3821LW	2	1	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3822HW	2	1	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3822LW	2	1	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3820HWW	2	0	7500	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WWB(WW)
CA-IS3820LWW	2	0	7500	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WWB(WW)
CA-IS3821HWW	2	1	7500	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WWB(WW)
CA-IS3821LWW	2	1	7500	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WWB(WW)
CA-IS3822HWW	2	1	7500	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WWB(WW)
CA-IS3822LWW	2	1	7500	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WWB(WW)
Reinforced Triple Channel Digital Isolators												
CA-IS3830HW	3	0	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)

Part number	Number of channels	Number of reversed channels	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating HBM(V)	Data rate (bps)	Operating voltage range (V)	Operating current per channel @ 1Mbps(mA,typ)	Default output	Temperature range (°C)	Package
CA-IS3830LW	3	0	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3831HW	3	1	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3831LW	3	1	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3830HWW	3	0	7500	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WWB(WW)
CA-IS3830HWW	3	0	7500	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WWB(WW)
CA-IS3831HWW	3	1	7500	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WWB(WW)
CA-IS3831LWW	3	1	7500	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WWB(WW)
Reinforced Quad Channel Digital Isolators												
CA-IS3840HW	4	0	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3840LW	4	0	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3841HW	4	1	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3841LW	4	1	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3842HW	4	2	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3842LW	4	2	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3840HWW	4	0	7500	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WWB(WW)
CA-IS3840LWW	4	4	7500	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WWB(WW)
CA-IS3841HWW	4	1	7500	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WWB(WW)
CA-IS3841LWW	4	1	7500	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WWB(WW)
CA-IS3842HWW	4	2	7500	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WWB(WW)
CA-IS3842LWW	4	2	7500	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WWB(WW)
Reinforced Six Channel Digital Isolators												
CA-IS3860HW	6	0	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3860LW	6	0	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3861HW	6	1	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3861LW	6	1	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3862HW	6	2	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3862LW	6	2	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)
CA-IS3863HW	6	3	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	High	-40~125	SOIC16-WB(W)
CA-IS3863LW	6	3	5700	150	12.8	8	DC-150M	2.5-5.5	1.5	Low	-40~125	SOIC16-WB(W)

Isolated Interface

Chipanalog Products Selection_Isolated CAN Transceivers with Iso-Power（μMiC）

CHIPANALOG

Part number	Fault protection (V)	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating(kV) bus pins	Data rate (Mbps)	Operating voltage range (V)	Temperature range (°C)	Package
CA-IS3062W	±58	5000	150	12.8	6	1	4.5~5.5	-40~125	SOIC16-WB(W)
CA-IS3062VW	±58	5000	150	12.8	6	1	4.5~5.5	-40~125	SOIC16-WB(W)

Chipanalog Products Selection_Isolated CAN Transceivers with Iso-Power（μMiC）

CHIPANALOG

Part number	Fault protection (V)	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating(kV) bus pins	Data rate (Mbps)	Operating voltage range (V)	Temperature range (°C)	Package
CA-IS2062W	±58	3750	150	12.8	6	1	4.5~5.5	-40~125	SOIC16-WB(W)
CA-IS2062VW	±58	3750	150	12.8	6	1	4.5~5.5	-40~125	SOIC16-WB(W)
CA-IS2062A	±42	2500	150	6.5	6	5	4.5~5.5	-40~125	LGA16(A)

Chipanalog Products Selection_Isolated I2C

CHIPANALOG

Part number	SCK	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating(kV) bus pins	Data rate (Mbps)	Operating voltage range (V)	Temperature range (°C)	Package
CA-IS3020S	Bidirection	3750	150	6.5	8	2	3-5.5	-40~125	SOIC8(S)
CA-IS3021S	Unidirection	3750	150	6.5	8	2	3-5.5	-40~125	SOIC8(S)
CA-IS3020G	Bidirection	5000	150	12.8	8	2	3-5.5	-40~125	SOIC8-WB(G)
CA-IS3021G	Unidirection	5000	150	12.8	8	2	3-5.5	-40~125	SOIC8-WB(G)
CA-IS3020W	Bidirection	5000	150	12.8	8	2	3-5.5	-40~125	SOIC16-WB(W)
CA-IS3021W	Unidirection	5000	150	12.8	8	2	3-5.5	-40~125	SOIC16-WB(W)
CA-IS3020WG	Bidirection	7500	150	12.8	8	2	3-5.5	-40~125	SOIC8-WWB(WG)

Chipanalog Products Selection_Isolated CAN Transceivers

CHIPANALOG

Part number	Fault protection (V)	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating(kV) bus pins	Data rate (Mbps)	Logic operating voltage range (V)	Temperature range (°C)	Package
CA-IS3050G	±58	5000	150	12.8	8	1	2.5-5.5	-40~125	SOIC8-WB(G)
CA-IS3052G	±58	5000	150	12.8	8	1	2.5-5.5	-40~125	SOIC8-WB(G)
CA-IS3050W	±58	5000	150	12.8	8	1	2.5-5.5	-40~125	SOIC8-WB(W)
CA-IS3052W	±58	5000	150	12.8	8	1	2.5-5.5	-40~125	SOIC8-WB(W)
CA-IS3050U	±58	3750	150	8.125	8	1	2.5-5.5	-40~125	DUB8(U)
CA-IS3050WG	±58	7500	150	12.8	8	1	2.5-5.5	-40~125	SOIC8-WWB(WG)
CA-IS1044S	±58	3750	100	5.3	7	2	2.5-5.5	-40~125	SOIC8(S)

Chipanalog Products Selection_Universal Isolated CAN Transceivers

CHIPANALOG

Part number	Fault protection (V)	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating(kV) bus pins	Data rate (Mbps)	Logic operating voltage range (V)	Temperature range (°C)	Package
CA-IS3050CU	±52	3750	150	5.3	8	5	3~5.5	-40~125	DUB8(U)
CA-IS3050CG	±52	5000	150	12.8	8	5	3~5.5	-40~125	SOIC8-WB(G)
CA-IS3050CW	±52	5000	150	12.8	8	5	3~5.5	-40~125	SOIC16-WB (W)
CA-IS3052CG	±52	5000	150	12.8	8	5	3~5.5	-40~125	SOIC8-WB (G)
CA-IS3052CW	±52	5000	150	12.8	8	5	3~5.5	-40~125	SOIC16-WB (W)

Chipanalog Products Selection_Isolated RS-485/422 Transceivers

CHIPANALOG

Part number	Full/half duplex	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating(kV) bus pins	Data rate (Mbps)	Operating voltage range (V)	Temperature range (°C)	Package
CA-IS3080WX	Full duplex	5000	150	12.8	20	0.5	2.375-5.5	-40~125	SOIC16-WB(W)
CA-IS3086WX	Full duplex	5000	150	12.8	20	10	2.375-5.5	-40~125	SOIC16-WB(W)
CA-IS3082WX	Half duplex	5000	150	12.8	20	0.5	2.375-5.5	-40~125	SOIC16-WB(W)
CA-IS3082WNX	Half duplex	5000	150	12.8	20	0.5	2.375-5.5	-40~125	SOIC16-WB(W)
CA-IS3088WX	Half duplex	5000	150	12.8	20	20	2.375-5.5	-40~125	SOIC16-WB(W)
CA-IS3089WX	Half duplex	5000	150	12.8	8	40	2.375-5.5	-40~125	SOIC16-WB(W)
CA-IS2082B	Half duplex	3000	100	5.3	8	20	2.375-5.5	-40~125	SSOP16(B)
CA-IS3082WW	Half duplex	7500	150	12.8	20	0.5	2.375-5.5	-40~125	SOIC16-WWB(WW)
CA-IS3082CWX	Half duplex	5000	150	12.8	20	0.5	3.0~5.5	-40~125	SOIC16-WB(W)

Chipanalog Products Selection_Isolated RS-485/422 Transceivers with Iso-Power（μMiC）

CHIPANALOG

Part number	With iso-power?	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating(kV) bus pins	Data rate (Mbps)	Operating voltage range (V)	Temperature range (°C)	Package
CA-IS3092W	Yes	5000	150	12.8	20	0.5	3~5.5	-40~125	SOIC16-WB(W)
CA-IS3092VW	Yes	5000	150	12.8	20	0.5	3~5.5	-40~125	SOIC16-WB(W)
CA-IS3098W	Yes	5000	150	12.8	20	20	3~5.5	-40~125	SOIC16-WB(W)
CA-IS3098VW	Yes	5000	150	12.8	20	20	3~5.5	-40~125	SOIC16-WB(W)

Chipanalog Products Selection_Isolated RS-485/422 Transceivers with Iso-Power（μMiC）

CHIPANALOG

Part number	With iso-power?	Isolation rating (Vrms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating(kV) bus pins	Data rate (Mbps)	Operating voltage range (V)	Temperature range (°C)	Package
CA-IS2092W	Yes	3750	150	12.8	20	0.5	3~5.5	-40~125	SOIC16-WB(W)
CA-IS2092VW	Yes	3750	150	12.8	20	0.5	3~5.5	-40~125	SOIC16-WB(W)
CA-IS2092A	Yes	2500	150	6.5	20	0.5	3~5.5	-40~125	LGA16(A)

Chipanalog Products Selection_Isolated DI/DO

CHIPANALOG

Part number	Output Interface	Number of high-speed channel	Low-pass filterdebounce time(ms)	CMTI (kV/μS)	Surge rating (kVpk)	ESD rating(kV) bus pins	Data rate (Mbps)	Operating voltage range (V)	Maximum withstanding isolation voltage(V)	Temperature range (°C)	Package
CA-IS3980S	Serial	0	0/10/30/100	100	6.4	4	0.25	2.25~5.5	2500	-40~125	SSOP20(Y)
CA-IS3980P	Parallel	0	0	100	6.4	4	0.25	2.25~5.5	2500	-40~125	SSOP20(Y)
CA-IS3988P	Parallel	8	0	100	6.4	4	2	2.25~5.5	2500	-40~125	SSOP20(Y)

Interface

Chipanalog Products Selection_CAN Transceivers

CHIPANALOG

Part Number	Logic supply input?	Remote wakeup	Data rate (Mbps)	Common mode voltage range(V)	Fault protection (V)	HBM ESD rating other pins (±KV)	HBM ESD rating bus pins (±KV)	Operating voltage range (V)	Logic operating voltage range (V)	Junction temp range (°C)	Package
CA-IF1051HS	No	No	5	-30~30	-70~70	4	6	4.5~5.5	/	-55~150	SOIC8(S)
CA-IF1051S	No	No	5	-30~30	-58~58	4	8	4.5~5.5	/	-55~150	SOIC8(S)
CA-IF1051VS	Yes	No	5	-30~30	-58~58	4	8	4.5~5.5	2.5~5.5	-55~150	SOIC8(S)
CA-IF4420S	Yes	No	5	-30~30	-58~58	4	35	4.5~5.5	1.8~5.5	-55~150	SOIC8(S)
CA-IF1030S	No	Yes	1	-12~12	-18~18	4	25	3-3.6	/	-55~150	SOIC8(S)
CA-IF1033S	No	Yes	1	-12~12	-18~18	4	25	3-3.6	/	-55~150	SOIC8(S)
CA-IF1034S	No	Yes	1	-12~12	-18~18	4	25	3-3.6	/	-55~150	SOIC8(S)

Chipanalog Products Selection_Automotive CAN Transceivers

CHIPANALOG

Part Number	Logic supply input?	Remote wakeup	Data rate (Mbps)	Common mode voltage range(V)	Fault protection (V)	HBM ESD rating other pins (±KV)	HBM ESD rating bus pins (±KV)	Operating voltage range (V)	Logic operating voltage range (V)	Junction temp range (°C)	Package
CA-IF1051S-Q1	No	No	5	-30~30	-58~58	4	8	4.5~5.5	/	-55~150	SOIC8(S)
CA-IF1051VS-Q1	Yes	No	5	-30~30	-58~58	4	8	4.5~5.5	2.5~5.5	-55~150	SOIC8(S)
CA-IF1042S-Q1	No	Yes	5	-30~30	-70~70	8	16	4.5~5.5	/	-55~150	SOIC8(S)
CA-IF1042VS-Q1	Yes	Yes	5	-30~30	-70~70	8	16	4.5~5.5	3~5.5	-55~150	SOIC8(S)
CA-IF1044S-Q1	No	Yes	5	-30~30	-58~58	6	8	4.5~5.5	/	-55~150	SOIC8(S)
CA-IF1044VS-Q1	Yes	Yes	5	-30~30	-58~58	6	8	4.5~5.5	3~5.5	-55~150	SOIC8(S)

Part Number	Logic supply input?	Remote wakeup	Data rate (Mbps)	Common mode voltage range(V)	Fault protection (V)	HBM ESD rating other pins (±KV)	HBM ESD rating bus pins (±KV)	Operating voltage range (V)	Logic operating voltage range (V)	Junction temp range (℃)	Package
CA-IF1044D-Q1	No	Yes	5	-30~30	-58~58	6	8	4.5~5.5	/	-55~150	DNF8(D)
CA-IF1044VD-Q1	Yes	Yes	5	-30~30	-58~58	6	8	4.5~5.5	3~5.5	-55~150	DNF8(D)
CA-IF1043DF-Q1	Yes	Yes	5	-30~30	-58~58	4	4	4.5~5.5	1.7~5.5	-55~150	DFN14(DF)
CA-IF1043NF-Q1	Yes	Yes	5	-30~30	-58~58	4	4	4.5~5.5	1.7~5.5	-55~150	SOIC14(NF)
CA-IF1042LS-Q1	No	Yes	5	-30~30	-42~42	6	6	4.5~5.5	3~5.5	-55~150	SOIC8(S)
CA-IF1042LVS-Q1	Yes	Yes	5	-30~30	-42~42	6	6	4.5~5.5	3~5.5	-55~150	SOIC8(S)

Chipanalog Products Selection_LIN Transceivers

Part Number	With internal LDO?	Remote wakeup	Data rate (Mbps)	Common mode range (V)	Fault protection (V)	HBM ESD protection other pins (±KV)	HBM ESD protection bus pins (±KV)	Operating voltage range (V)	Logic operating voltage range (V)	Junction temp range (℃)	Package
CA-IF1021S-Q1	No	Yes	20	/	-58~58	2	4	5.5-27	/	-55~150	SOIC8(S)
CA-IF1021LS-Q1	No	Yes	20	/	-42~42	8	8	5.5-27	/	-55~150	SOIC8(S)
CA-IF1021D-Q1	No	Yes	20	/	-58~58	2	4	5.5-27	/	-55~150	DNF8(D)
CA-IF1021LD-Q1	No	Yes	20	/	-42~42	8	8	5.5-27	/	-55~150	DFN8(D)
CA-IF1024F-Q1	No	Yes	20	/	-42~42	8	14	5-18	/	-40~150	QFN24(F)
CA-IF1022F-Q1	No	Yes	20	/	-42~42	8	14	5-18	/	-40~150	QFN24(F)
CA-IF1022NF-Q1	No	Yes	20	/	-42~42	8	14	5-18	/	-40~150	SOP14(NF)
CA-IF1022DF-Q1	No	Yes	20	/	-42~42	8	14	5-18	/	-40~150	DFN14(DF)

Chipanalog Products Selection_RS-485/422 Transceivers

Part Number	Nodes on bus	Full/half duplex	Data rate (Mbps)	Common mode voltage range(V)	Fault protection (V)	HBM ESD rating other pins (±KV)	HBM ESD rating bus pins (±KV)	Operating voltage range (V)	Temperature range (℃)	Package
CA-IF4888HS	256	Half duplex	0.5	-15~15	-30~30	6	30	3~5.5	-40~125	SOIC8(S)
CA-IF4805HS	256	Half duplex	0.5	-15~15	-30~30	6	30	3~5.5	-40~125	SOIC8(S)
CA-IF4805FS	256	Full duplex	0.5	-15~15	-30~30	6	15	3~5.5	-40~125	SOIC8(S)
CA-IF4820HS	256	Half duplex	20	-15~15	-30~30	6	30	3~5.5	-40~125	SOIC8(S)
CA-IF4820FS	256	Full duplex	20	-15~15	-30~30	6	15	3~5.5	-40~125	SOIC8(S)
CA-IF4850HS	256	Half duplex	50	-15~15	-30~30	6	30	3~5.5	-40~125	SOIC8(S)
CA-IF4850FS	256	Full duplex	50	-15~15	-30~30	6	15	3~5.5	-40~125	SOIC8(S)
CA-IF4805HM	256	Half duplex	0.5	-15~15	-30~30	6	30	3~5.5	-40~125	MSOP8(M)
CA-IF4805FM	256	Full duplex	0.5	-15~15	-30~30	6	15	3~5.5	-40~125	MSOP8(M)
CA-IF4820HM	256	Half duplex	20	-15~15	-30~30	6	30	3~5.5	-40~125	MSOP8(M)
CA-IF4820FM	256	Full duplex	20	-15~15	-30~30	6	15	3~5.5	-40~125	MSOP8(M)
CA-IF4850HM	256	Half duplex	50	-15~15	-30~30	6	30	3~5.5	-40~125	MSOP8(M)
CA-IF4850FM	256	Full duplex	50	-15~15	-30~30	6	15	3~5.5	-40~125	MSOP8(M)
CA-IF4805HD	256	Half duplex	0.5	-15~15	-30~30	6	30	3~5.5	-40~125	DFN8(D)
CA-IF4805FD	256	Full duplex	0.5	-15~15	-30~30	6	15	3~5.5	-40~125	DFN8(D)
CA-IF4820HD	256	Half duplex	20	-15~15	-30~30	6	30	3~5.5	-40~125	DFN8(D)
CA-IF4820FD	256	Full duplex	20	-15~15	-30~30	6	15	3~5.5	-40~125	DFN8(D)
CA-IF4850HD	256	Half duplex	50	-15~15	-30~30	6	30	3~5.5	-40~125	DFN8(D)
CA-IF4850FD	256	Full duplex	50	-15~15	-30~30	6	15	3~5.5	-40~125	DFN8(D)

Chipanalog Products Selection_RS-485/422 Transceivers

Part Number	Nodes on bus	Full/half duplex	Data rate (Mbps)	Common mode voltage range (V)	Fault protection (V)	HBM ESD rating other pins (±KV)	HBM ESD rating bus pins (±KV)	Operating voltage range (V)	Temperature range (℃)	Package
CA-IF4220NF	256	Full duplex	20	-15~15	-30~30	6	15	3~5.5	-40~125	SOIC14(NF)

Chipanalog Products Selection_RS-485/422 Transceivers

CHIPANALOG

Part Number	Nodes on bus	Full/half duplex	Data rate (Mbps)	Common mode voltage range (V)	Fault protection (V)	HBM ESD rating other pins (±KV)	HBM ESD rating bus pins (±KV)	Operating voltage range (V)	Temperature range (°C)	Package
CS485S	50	Half duplex	0.25	-7~12	-8~13	8	18	3~5.5	-40~125	SOIC8(S)
CS485M	50	Half duplex	0.25	-7~12	-8~13	8	18	3~5.5	-40~125	MSOP8(M)
CS48505S	64	Half duplex	0.5	-7~12	-8~13	8	20	3~5.5	-40~125	SOIC8(S)
CS48520S	64	Half duplex	20	-7~12	-8~13	8	20	3~5.5	-40~125	SOIC8(S)
CS48505M	64	Half duplex	0.5	-7~12	-8~13	8	20	3~5.5	-40~125	MSOP8(M)
CS48520M	64	Half duplex	20	-7~12	-8~13	8	20	3~5.5	-40~125	MSOP8(M)
CS48505D	64	Half duplex	0.5	-7~12	-8~13	8	20	3~5.5	-40~125	DFN8(D)
CS48520D	64	Half duplex	20	-7~12	-8~13	8	20	3~5.5	-40~125	DFN8(D)

Chipanalog Products Selection_RS-485/422 Transceivers

CHIPANALOG

Part Number	Nodes on bus	Full/half duplex	Data rate (Mbps)	Common mode voltage range (V)	Fault protection (V)	HBM ESD rating other pins (±KV)	HBM ESD rating bus pins (±KV)	Operating voltage range (V)	Temperature range (°C)	Package
CS48505AS	256	Half duplex	0.5	-7~12	-8~13	8	20	3~5.5	-40~125	SOIC8(S)
CS48520AS	256	Half duplex	20	-7~12	-8~13	8	20	3~5.5	-40~125	SOIC8(S)
CS48505AM	256	Half duplex	0.5	-7~12	-8~13	8	20	3~5.5	-40~125	MSOP8(M)
CS48520AM	256	Half duplex	20	-7~12	-8~13	8	20	3~5.5	-40~125	MSOP8(M)
CS48505AD	256	Half duplex	0.5	-7~12	-8~13	8	20	3~5.5	-40~125	DFN8(D)
CS48520AD	256	Half duplex	20	-7~12	-8~13	8	20	3~5.5	-40~125	DFN8(D)

Chipanalog Products Selection_AISG Modulators

CHIPANALOG

Part Number	Features	RX passband (MHz)	RX threshold (dBm)	TX frequency (MHz)	TXOUT Power (dBm)	TXOUT impedance (DC, ohm)	Operating voltage range (V)	Temperature range (°C)	Package
CA-IF4023	AISG on/off control, coaxial modem transceiver	1.1~4.17	-18~-12	2.176	5.38~12	0.03	3~5.5	-40~125	QFN16(F)

Chipanalog Products Selection_HomeBus Transceivers

CHIPANALOG

Part Number	Features	Data rate (kbps)	Bus polarity detection	Adjustable receiver thresholds?	Termination on-time	Input timeout	Operating voltage range (V)	Temperature range (°C)	Package
CA-IF4288	Data and power share one single pair of wires	9.6~200	N/A	No	Fixed (34us)	21ms	4.5~5.5	-40~105	QFN24(F)
CA-IF4289	Data and power share one single pair of wires	9.6~200	Yes	Yes	Adjustable (10~500us)	21ms	4.5~5.5	-40~105	QFN24(F)

Chipanalog Products Selection_HomeBus Transceivers

CHIPANALOG

Part Number	Features	Data rate (kbps)	Maximum VRAW Load Current (mA)	Maximum LDO Load Current (mA)	Termination on-time	Adjustable receiver thresholds?	Operating voltage range (V)	Temperature range (°C)	Package
CA-IF42088	Integrate active inductor and LDO, data and power share one single pair of wires	9.6~200	300	90	Adjustable (10~500us)	Yes	9~24	-40~105	QFN24(F)

Chipanalog Products Selection_RS-232 Transceivers

CHIPANALOG

Part Number	Features	Data rate (kbps)	Supply current (mA)	Driver slew rate (V/μs)	Output short-circuit current (mA)	Input hysteresis (V)	Operating voltage range (V)	Temperature range (°C)	Package
CA-IF43232EN	2Tx/2Rx	250	1	30	35	0.5	3~5.5	-40~105	SOP16(N)
CA-IF43232ETB	2Tx/2Rx	250	1	30	35	0.5	3~5.5	-40~105	TSSOP16(TB)

2

DRIVER & POWER

CHIPANALOG

Isolated Gate Driver

Chipanalog Products Selection_Standard Isolated Drivers

CHIPANALOG

Part Number	Peak source/ sink current (A)	UVLO threshold (V) output-side	Output	Supply voltage output-side(V)	Maximum transient isolation voltage (Vpk)	CMTI (kV/μs)	Surge rating (kVpk)	ESD protection HBM/CDM(kV)	Temperature range (°C)	Package
CA-IS3211VBJ	5/6	8	Single Vout Pin	10~30	8000	150	12.8	4/2	-40~125	SOIC6-WB(J)
CA-IS3211VCJ	5/6	12	Single Vout Pin	14~30	8000	150	12.8	4/2	-40~125	SOIC6-WB(J)
CA-IS3211VBG	5/6	8	Single Vout Pin	10~30	8000	150	12.8	4/2	-40~125	SOIC8-WB(G)
CA-IS3211VCG	5/6	12	Single Vout Pin	14~30	8000	150	12.8	4/2	-40~125	SOIC8-WB(G)
CA-IS3211SBG	5/6	8	Split Output	10~30	8000	150	12.8	4/2	-40~125	SOIC8-WB(G)
CA-IS3211SCG	5/6	12	Split Output	14~30	8000	150	12.8	4/2	-40~125	SOIC8-WB(G)
CA-IS3211VBU	5/6	8	Single Vout Pin	10~30	5300	150	8	4/2	-40~125	DUB8 (U)
CA-IS3211VCU	5/6	12	Single Vout Pin	14~30	5300	150	8	4/2	-40~125	DUB8 (U)

Chipanalog Products Selection_Standard Isolated Drivers

CHIPANALOG

Part Number	Peak source/ sink current (A)	UVLO threshold (V) output-side	Enable control	Supply voltage output-side (V)	Maximum transient isolation voltage (Vpk)	CMTI (kV/μs)	Surge rating (kVpk)	ESD protection HBM/CDM(kV)	Temperature range (°C)	Package
CA-IS3221CW	5/6	12	DIS	14~30	8000	150	12.8	4/2	-40~125	SOIC16-WB(W)
CA-IS3221BW	5/6	8	DIS	10~30	8000	150	12.8	4/2	-40~125	SOIC16-WB(W)
CA-IS3222CW	5/6	12	EN	14~30	8000	150	12.8	4/2	-40~125	SOIC16-WB(W)
CA-IS3222BW	5/6	8	EN	10~30	8000	150	12.8	4/2	-40~125	SOIC16-WB(W)
CA-IS3222BK	5/6	8	EN	10~30	8000	150	12.8	4/2	-40~125	SOIC14-WB(K)
CA-IS3222CK	5/6	12	EN	14~30	8000	150	12.8	4/2	-40~125	SOIC14-WB(K)
CA-IS3221AW	5/6	6	DIS	10~30	8000	150	12.8	4/2	-40~125	SOIC16-WB(W)
CA-IS3221AN	5/6	6	DIS	10~30	5300	150	8	4/2	-40~125	SOIC16-NB(N)
CA-IS3221BN	5/6	8	DIS	10~30	5300	150	8	4/2	-40~125	SOIC16-NB(N)

Chipanalog Products Selection_Automotive Gate Drivers

CHIPANALOG

Part Number	Peak source/ sink current (A)	UVLO threshold (V) output-side	Enable control	Supply voltage output-side (V)	Maximum transient isolation voltage (Vpk)	CMTI (kV/μs)	Surge rating (kVpk)	ESD protection HBM/CDM(kV)	Temperature range (°C)	Package
CA-IS3221CW-Q1	5/6	12	DIS	14~30	8000	150	12.8	4/2	-40~125	SOIC16-WB(W)
CA-IS3221BW-Q1	5/6	8	DIS	10~30	8000	150	12.8	4/2	-40~125	SOIC16-WB(W)
CA-IS3222CW-Q1	5/6	12	EN	14~30	8000	150	12.8	4/2	-40~125	SOIC16-WB(W)
CA-IS3222BW-Q1	5/6	8	EN	10~30	8000	150	12.8	4/2	-40~125	SOIC16-WB(W)
CA-IS3221CK-Q1	5/6	12	DIS	14~30	8000	150	12.8	4/2	-40~125	SOIC14-WB(K)
CA-IS3221BK-Q1	5/6	8	DIS	10~30	8000	150	12.8	4/2	-40~125	SOIC14-WB(K)
CA-IS3222CK-Q1	5/6	12	EN	14~30	8000	150	12.8	4/2	-40~125	SOIC14-WB(K)
CA-IS3222BK-Q1	5/6	8	EN	10~30	8000	150	12.8	4/2	-40~125	SOIC14-WB(K)
CA-IS3221CN-Q1	5/6	12	DIS	14~30	5300	150	8	4/2	-40~125	SOIC16-NB(N)
CA-IS3221BN-Q1	5/6	8	DIS	10~30	5300	150	8	4/2	-40~125	SOIC16-NB(N)
CA-IS3222CN-Q1	5/6	12	EN	14~30	5300	150	8	4/2	-40~125	SOIC16-NB(N)
CA-IS3222BN-Q1	5/6	8	EN	10~30	5300	150	8	4/2	-40~125	SOIC16-NB(N)

Chipanalog Products Selection_Isolated Smart Drivers

CHIPANALOG

Part Number	Power switch	Peak source/ sink current (A)	DESAT threshold	Soft turn-off current	Dead -time	Internal/ external clamp	Maximum transient isolation voltage (Vpk)	CMTI (kV/μs)	Surge rating (kVpk)	ESD protection HBM/CDM(kV)	Temperature range (℃)	Package
CA-IS3215NNW-Q1	IGBT	15	9V	400mA	N/A	Internal	8000	150	12.8	3/2	-40~125	SOIC16-WB(W)
CA-IS3215SNW-Q1	IGBT	15	9V	400mA	800ns	Internal	8000	150	12.8	3/2	-40~125	SOIC16-WB(W)
CA-IS3215LNW-Q1	IGBT	15	9V	400mA	N/A	Internal	8000	150	12.8	3/2	-40~125	SOIC16-WB(W)
CA-IS3216NNW-Q1	SiC	15	9V	1A	N/A	Internal	8000	150	12.8	3/2	-40~125	SOIC16-WB(W)

Chipanalog Products Selection_Isolated Smart Drivers

CHIPANALOG

Part Number	Power switch	Peak source/ sink current (A)	Output-side UVLO threshold (V)	Maximum output driving voltage(V)	Maximum propagation delay (ns)	Internal/ external clamp	Maximum transient isolation voltage (Vpk)	CMTI (kV/μs)	Surge rating (kVpk)	ESD protection HBM/CDM(kV)	Temperature range (℃)	Package
CA-IS3213MCG	IGBT/SiC	15	12	33	130	Internal	8000	150	12.8	3/2	-40~125	SOIC8-WB(G)

Power Management

Chipanalog Products Selection_Isolated DC-DC Converters and Modules (μMiC)

CHIPANALOG

Part Number	Output power (W)	Operating voltage range (V)	Inlsolation rating(Vrms)	CMTI (kV/uS)	Surge rating (kVpk)	ESD rating HBM(kV)	Temperature range (℃)	Package
CA-IS3105W	0.5	4.5-5.5	5000	150	10	3	-40~125	SOIC16-WB(W)
CA-IS3115AW	1.5	4.5-5.5	5000	150	12.8	3	-40~125	SOIC16-WB(W)

Chipanalog Products Selection_Automotive 1.5W Complete Isolated Power Supply (μMiC)

CHIPANALOG

Part Number	Output power (W)	Operating voltage range (V)	Isolation rating (Vrms)	CMTI (kV/uS)	Surge rating (kVpk)	ESD rating HBM(kV)	Temperature range (℃)	Package
CA-IS3115AW-Q1	1.5	4.5-5.5	5000	150	12.8	3	-40~125	SOIC16-WB(W)

Chipanalog Products Selection_Automotive LIN Transceivers with LDO (μMiC)

CHIPANALOG

Part Number	With internal LDO?	Remote wakeup	Data rate (kbps)	Common mode voltage range (V)	Fault protection (V)	HBM ESD protection other pins (±KV)	HBM ESD protection bus pins (±KV)	Operating voltage range (V)	Logic Operating voltage range (V)	Junction Temp Range (℃)	Package
CA-IF10285S-Q1	Yes	Yes	20	/	-42~42	8	8	5.5-28	/	-40~150	SOIC8(S)
CA-IF10283S-Q1	Yes	Yes	20	/	-42~42	8	8	5.5-28	/	-40~150	SOIC8(S)
CA-IF10285D-Q1	Yes	Yes	20	/	-42~42	8	8	5.5-28	/	-40~150	DFN8(D)
CA-IF10283D-Q1	Yes	Yes	20	/	-42~42	8	8	5.5-28	/	-40~150	DFN8(D)

Chipanalog Products Selection_CAN Trancevier (μMiC)

CHIPANALOG

Part Number	With internal LDO?	PN wakeup	Data rate (kbps)	Common mode voltage range (V)	Fault protection (V)	HBM ESD protection other pins (±KV)	HBM ESD rating bus pin (±KV)	Operating voltage range (V)	Logic Operating voltage range (V)	Junction Temp Range (℃)	Package
CA-IF1169DT-Q1	Yes	No	5000	/	-42~42	2	8	5.5-28	5	-40~150	DFN20(D)
CA-IF1169FDT-Q1	Yes	Yes	5000	/	-42~42	2	8	5.5-28	5	-40~150	DFN20(D)
CA-IF1169VDT-Q1	Yes	No	5000	/	-42~42	2	8	5.5-28	3.3	-40~150	DFN20(D)
CA-IF1169VFDT-Q1	Yes	Yes	5000	/	-42~42	2	8	5.5-28	3.3	-40~150	DFN20(D)

Chipanalog Products Selection_ Solid State Relays (SSR) (μMiC)

CHIPANALOG

Part number	Off leakage current (μA)	Withstand drain-source voltage (V)	Typical On resistance (Ω)	Maximum input reverse voltage (V)	Maximum transient isolation voltage (Vpk)	CMTI (kV/μs)	Surge rating (kVpk)	ESD rating HBM/CDM(kV)	Temperature range (°C)	Package
CA-IS3417WT	1	1700	50	5.5	8000	150	12.8	3/2	-40~125	SOIC16-WB(W)

Chipanalog Products Selection_ Solid State Relays (SSR) (μMiC)

CHIPANALOG

Part number	Off leakage current (μA)	Withstand drain-source voltage (V)	Typical On resistance (Ω)	Maximum input reverse voltage (V)	Maximum transient isolation voltage (Vpk)	CMTI (kV/μs)	Surge rating (kVpk)	ESD rating HBM/CDM(kV)	Temperature range (°C)	Package
CA-IS3417WT-Q1	1	1700	50	5.5	8000	150	12.8	3/2	-40~125	SOIC16-WB(W)

3

HPA

CHIPANALOG

Chipanalog Products Selection_Isolated Modulator

CHIPANALOG

Part Number	Supply voltage high-side(V)	Supply voltage low-side(V)	Differential input voltage(mV)	CMRR (dB)	PSRR (dB)	Clock (MHz)	GERR (%)	Isolation rating (Vrms)	CMTI (kV/uS)	Surge rating (kVpk)	ESD rating HBM/CDM (kV)	Temperature range (°C)	Package
CA-IS1204W	4.5-5.5	3-5.5	±250	-85	-98	5-21 IN	±2	5000	150	10	4/2	-40~125	SOIC16-WB(W)
CA-IS1306M25G	3-5.5	3-5.5	±250	-85	-98	5-21 IN	±0.2	5000	150	10	4/2	-40~125	SOIC8-WB(G)
CA-IS1305AM25W	4.5-5.5	3-5.5	±250	-85	-98	5-21 IN	±0.3	5000	150	10	4/2	-40~125	SOIC16-WB(W)
CA-IS1305M25W	4.5-5.5	3-5.5	±250	-85	-98	5-21 IN	±0.3	5000	150	10	4/2	-40~125	SOIC16-WB(W)
CA-IS1306AM25W	3-5.5	3-5.5	±250	-85	-98	5-21 IN	±0.2	5000	150	10	4/2	-40~125	SOIC16-WB(W)
CA-IS1306M25W	3-5.5	3-5.5	±250	-85	-98	5-21 IN	±0.2	5000	150	10	4/2	-40~125	SOIC16-WB(W)

Chipanalog Products Selection_Isolated Amplifiers

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Part number	Supply voltage high-side(V)	Supply voltage low-side(V)	Differential input voltage(mV)	CMRR (dB)	PSRR (dB)	Fixed gain	GERR (%)	Isolation rating (Vrms)	CMTI (kV/μS)	Output noise (mVRMS)	Surge rating (kVpk)	ESD rating HBM/CDM (kV)	Temperature range (°C)	Package
CA-IS1200U	3-5.5	3-5.5	±250	-98	-100	8	±0.5	3750	150	0.33	8	4/2	-40~125	DUB8(U)
CA-IS1200G	3-5.5	3-5.5	±250	-98	-100	8	±0.5	5000	150	0.33	10	4/2	-40~125	SOIC8-WB(G)
CA-IS1300G25G	3-5.5	3-5.5	±250	-98	-100	8.2	±0.5	5000	150	0.33	10	4/2	-40~125	SOIC8-WB(G)
CA-IS1300B25G	3-5.5	3-5.5	±250	-98	-100	8.2	±0.3	5000	150	0.33	10	4/2	-40~125	SOIC8-WB(G)

Chipanalog Products Selection_Isolated Amplifiers

CHIPANALOG

Part number	Supply voltage high-side(V)	Supply voltage low-side(V)	Differential input voltage (mV)	CMRR (dB)	PSRR (dB)	Fixed gain	GERR (%)	Isolation rating (Vrms)	CMTI (kV//μS)	Output noise (mVRMS)	Surge rating (kVpk)	ESD rating HBM/CDM (kV)	Temperature range (°C)	Package
CA-IS1300B25G-Q1	3-5.5	3-5.5	±250	-98	-100	8.2	±0.3	5000	150	0.33	10	4/2	-40~125	SOIC8-WB(G)

Chipanalog Products Selection_Isolated Amplifiers

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Part number	Supply voltage high-side(V)	Supply voltage low-side(V)	Input voltage (V)	Input offset Vos (mV)	Output band-wide (kHz)	Fixed gain	GERR (%)	Isolation rating (Vrms)	CMTI (kV/μS)	Output noise (mVRMS)	Surge rating (kVpk)	ESD rating HBM/CDM (kV)	Temperature range (°C)	Package
CA-IS1311G	3-5.5	3-5.5	-0.1~2	±1.5	275	1	±0.3	5000	30	0.23	12.8	4/2	-40~125	SOIC8-WB(G)
CA-IS1311BG	3-5.5	3-5.5	-0.1~2	±1.5	275	1	±0.3	5000	150	0.23	12.8	4/2	-40~125	SOIC8-WB(G)

Chipanalog Products Selection_Isolated Amplifiers

CHIPANALOG

Part number	Supply voltage high-side(V)	Supply voltage low-side(V)	Input voltage (V)	Input offset Vos (mV)	Output band-wide (kHz)	Fixed gain	GERR (%)	Isolation rating (Vrms)	CMTI (kV/μS)	Output noise (mVRMS)	Surge rating (kVpk)	ESD rating HBM/CDM (kV)	Temperature range (°C)	Package
CA-IS1311G-Q1	3-5.5	3-5.5	-0.1~2	±1.5	275	1	±0.3	5000	150	0.23	12.8	4/2	-40~125	SOIC8-WB(G)

Chipanalog Products Selection_Linear Hall Sensor

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Part number	Current Sensing Range(A)	Supply voltage (V)	On-resistance (mΩ)	Total Output Error(%)	Non-linearity (%)	Sensitivity (mV/A)	Bandwidth (kHz)	Propagation Dealy(μs)	Response Time(μs)	Surge rating (kVpk)	ESD rating HBM/CDM (kV)	Temperature range (°C)	Package
CA-IS23050W	±50	4.5-5.5	0.61	±3	±1	40	120	5000	3.7 10		2/0.5	-40~125	SOIC8-WB(G)

Chipanalog Products Selection_Precision Voltage References

Part number	Features	Output voltag	Temperature drift	Initial accuracy	Quiescent current	Load regulation	Line regulation	0.1~10Hz noise voltage	Package
CA-HP6025S	Low-drift voltage reference	2.5 V	1 ppm/℃	0.05%	0.65 mA	14 ppm/mA	2 ppm/V	10 μVp-p	SOIC8(S)
CA-HP6041S	Low-drift voltage reference	4.096 V	2 ppm/℃	0.05%	0.65 mA	9 ppm/mA	2 ppm/V	16 μVp-p	SOIC8(S)
CA-HP6050S	Low-drift voltage reference	5 V	2.5 ppm/℃	0.05%	0.65 mA	7 ppm/mA	2 ppm/V	20 μVp-p	SOIC8(S)

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The above manual is for reference only and the final interpretation shall be subject to Shanghai Chipanalog Microelectronics Co., Ltd. Printed: October 2024