

产品选型手册

PRODUCT SELECTION GUIDE

深圳市禾芯荣半导体有限公司

✉ 邮箱: sale@hcrsemi.com

☎ 销售热线: 0755-2852-3199

公司介绍

Company profile

深圳市禾芯荣半导体有限公司(简称禾芯荣)是一家专注于高性能、高质量集成电路设计研发和销售的高科技半导体设计公司,核心团队来自国际知名集成电路芯片设计公司有20年以上集成电路研发设计与产品市场运营管理经验,能为工业、汽车、通信、消费类和医疗市场的广泛应用提供创新解决方案。

公司主要产品线有:运算放大器、比较器、模拟开关、逻辑器件、电源管理包含DC/DC,线性稳压器,复位和马达驱动,低压MOS、中压MOS、高压MOS、IGBT管等已拥有50多种封装形式和2000多种型号.广泛用于汽车电子,新能源,消费类电子,安防监控,仪器仪表,物联网传感和医疗电子等应用领域。

公司位于广东省深圳市,依托深圳市集成电路产业链环境,以市场为导向,整合上下游资源和公司集成电路设计团队的优势,以及完善的销售系统和稳定的供货渠道,及时有效地为客户提供更好的产品。也可以根据客户提供的参数和技术信息等要求,进行集成电路芯片创新研发设计、生产和售后服务,以满足客户不同层次的需求。产品先后通过UL,ISO/TS16949,ISO9001,ISO14001及SGS等相关认证。

公司拓展国内外市场,分别在国内外地深圳,上海,江苏,长沙,四川成都,新加坡等办事处驻有人员就近提供全方位的服务。公司通过十几年耕耘,逐步完善的销售系统,稳定的供货渠道,可及时有效地为客户提供售前,售中,售后的服务体系,也建立了快速响应机制,及时了解客户需求,分析市场前景和行业趋势。

禾芯荣始终坚持:“自主创新,品质至上,信守承诺、客户满意”为公司的核心价值观和经营宗旨。不断推出具备更强竞争和良好市场前景的集成电路芯片,携手客户共同成长和发展,共创辉煌。让禾芯荣之芯跨入电子产品世界的每个领域。成为全球一流的集成芯片公司之一

Shenzhen Hexinrong Semiconductor Co., Ltd. (hereinafter referred to as Hexinrong) is a high-tech semiconductor design company focusing on high-performance, high-quality integrated circuit design, R&D and sales, with a core team from internationally renowned integrated circuit chip design companies with more than 20 years of experience in integrated circuit R&D, design and product market operation and management, and can provide innovative solutions for a wide range of applications in industrial, automotive, communications, consumer and medical markets.

The company's main product lines are: operational amplifiers, comparators, analog switches, logic devices, power management including DC/DC, linear regulators, reset and motor drives, low-voltage MOS, medium-voltage MOS, high-voltage MOS, IGBT tubes, etc., which have more than 50 packaging forms and more than 2,000 models. It is widely used in automotive electronics, new energy, consumer electronics, security monitoring, instrumentation, IoT sensing and medical electronics.

The company is located in Shenzhen, Guangdong Province, relying on the Shenzhen integrated circuit industry chain environment, market-oriented, integrating upstream and downstream resources and the advantages of the company's integrated circuit design team, as well as perfect sales system and stable supply channels, to provide customers with better products in a timely and effective manner. According to the parameters and technical information provided by customers, we can also carry out innovative R&D, design, production and after-sales service of integrated circuit chips to meet the needs of customers at different levels. The products have passed UL, ISO/TS16949, ISO9001, ISO14001 and SGS and other related certifications.

The company expands the domestic and foreign markets, and provides a full range of services in Shenzhen, Shanghai, Jiangsu, Changsha, Sichuan, Chengdu, Singapore and other offices at home and abroad. Through more than ten years of hard work, the company has gradually improved the sales system and stable supply channels, which can provide customers with a pre-sale, in-sale and after-sales service system in a timely and effective manner, and has also established a rapid response mechanism to understand customer needs in a timely manner and analyze market prospects and industry trends.

Hexinrong always adheres to the core values and business tenet of the company: "independent innovation, quality first, keeping promises, and customer satisfaction". Continuously introduce integrated circuit chips with stronger competition and good market prospects, and work together with customers to grow and develop together, and create brilliance together. Let Hexin Rongzhixin step into every field of the electronic product world. Become one of the world's first-class integrated chip companies

电源类产品：Power Products

页数

DC/DC降压IC系列 /DC to DC Down Converters	2 ~ 3
DC/DC升压IC系列 /DC to DC Up Converters	3
LDO线性稳压器 /LDO Linear Regulator	4 ~ 5
三端稳压器 /Three Terminal Voltage Regulator	5 ~ 7
锂电充电管理 /Li-Ion Battery Chargers	8
负载电子开关 /Load Current Switches	9
电压检测和复位 /Supervisor&Reset ICs	9
马达驱动 /Motor Driver	10
过压过流保护 /OVP&OCP	10
LED&LCD驱动 /LED&LCD-Driver	10

逻辑&转换产品：Logic & Converters Products

74HC&HCT&AHC&AHCT产品 /74HC&HCT&AHC&AHCT-Products	11 ~ 12
74LV&LVC&LVT产品 /74LV&LVC&LVT-Products	12 ~ 13
74AC&ACT&AVC&AUP产品 /74AC&ACT&AVC&AUP-Products	13
HC4000产品系列 /HC4000 Product Series	14
电子开关系列 /Analog Switches Series	15
电平转换器 /Level Translators	15

运算放大器和比较器：Operational Amplifier & Comparator

精密运算放大器 /Precision Operational Amplifier	16
高速运算放大器 /High-Speed Operational Amplifier	17
低噪声运算放大器 /Low Noise Operational Amplifier	17
通用运算放大器 /General Operational Amplifier	18
纳安功耗运算放大器 /Nano Power Operational Amplifier	19
电流检测放大器 /Current-sense Amplifier	19
特殊运算放大器 /Special Operational Amplifier	19
微功耗比较器 /Nano Power Comparator	20
高速比较器 /High-Speed Comparator	20

场效应管：MOS FETs

低压N-MOS场效应管(0V 至199V) /Low Voltage N-MOSFET from 0V to 199V	21
低压P-MOS场效应管(0 至 -199V) /Low Voltage P-MOSFET from 0V to 199V	22
低压Dual-MOS场效应管(0 至 -199V) /Low Voltage Dual-MOSFET from 0V to 199V	23
中压场效应管(200V 至 400V) /MID Voltage MOSFET from 200V to 400V	23
高压场效应管(400V 至 1000V) /High Voltage MOSFET from 400V to 1000V	24
IGBT管 /IGBT MOSFETs	24

音频功放：Audio Power Amplifier

D类数字音频功放 /Class-D Audio Power Amplifier	25
AB类音频功放 /Class AB Audio Power Amplifier	25
耳机音频功放 /Headphone Audio Power Amplifier	25

三极管-NPN&PNP：Transistor-NPN&PNP

开关三极管 /Switching Transistor	26
通用三极管 /General Transistor	27

电源类产品：Power Products

1.1 -DC/DC降压IC系列 /DC to DC Down Converters

Part No.	Package	Input Voltage		IOUT	VOUT Voltage	Efficiency	Frequency	Iq	SHDN Iq	Enable
		Min(V)	Max(V)	(mA)	(V)	(η)%	(KHz)	(uA)	(uA)	
HCR3110D	DFN2X2-6	2.5	6.0	1000	ADJ	96	2300	20	0.1	H
HCR3111A	SOT23-5	2.5	6.0	2000	ADJ	96	1000	40	0.1	H
HCR3112	SOT23-5	2.5	5.5	2000	ADJ	95	2300	40	1.0	H
HCR3113A	SOT23-6L	2.7	5.5	3000	ADJ	95	1000	50	1.0	H
HCR3113B	SOT23-5	2.7	5.5	3000	ADJ	95	1000	50	1.0	H
HCR3121H	DFN1.6X1.6-6	2.5	5.5	1200	ADJ	96	1500	180	0.1	H
HCR3122H	DFN1.6X1.6-6	2.5	5.5	2000	ADJ	95	2300	40	0.2	H
HCR3142	SOT23-6L	3.5	18	2000	ADJ	95	600	400	2.0	H
HCR3143	SOT23-6L	3.5	18	3000	ADJ	95	600	0.4	2.0	H
HCR3146M	SOT23-6L	4.5	18	3000	ADJ	95	600	150	1.0	H
HCR3153M	SOT23-6L	4.5	18	3000	ADJ	90	600	300	5	H
HCR3153S	SOT23-6L	4.5	18	3000	ADJ	90	600	300	5	H
HCR3153T	SOT23-6L	4.5	18	3000	ADJ	90	600	300	5	H
HCR3183	SOP-8(EP)	4.5	18	3000	ADJ	95	340	1200	0.1	H
HCR3223A	SOIC8	3.6	23	3000	ADJ	95	380	2000	60	H
HCR3226	QFN3X3-20	4.0	23	10000	ADJ	95	500	45	2	H
HCR3227	SOT23-6L	4.0	24	3000	ADJ	95	500	220	1	H
HCR3228	SOT23-6L	4.5	28	2000	ADJ	93	600	110	1	H
HCR3230	SOP-8	4.5	30	2000	ADJ	94	340	1000	3	H
HCR3231A	SOT23-6L	3.8	32	2000	ADJ	91	500	20	1	H
HCR3232A	SOT23-6L	3.8	32	3000	ADJ	91	400	20	1	H
HCR3233	SOP-8(EP)	4.5	30	3000	ADJ	94	340	1000	3	H
HCR3235	SOP-8(EP)	4.5	30	3500	ADJ	94	120	1000	3	H
HCR3236	SOIC8	7.0	32	6000	ADJ	95	130	1300	-	-
HCR3237	TQFN-4X4-23L	4.5	36	5000	ADJ	92	150	1000	3.0	H
HCR3316	SOT23-6L	4.7	40	1000	ADJ	93	1100	40	0.1	H
HCR3320	SOIC8	5	40	2000	ADJ	91.5	200	2200	35	H
HCR3323	SOP-8(EP)	4.75	40	3000	ADJ	95	200	550	3.0	-

电源类产品：Power Products

1.1 -DC/DC降压IC系列 /DC to DC Down Converters

Part No.	Package	Input Voltage		IOUT	VOUT Voltage	Efficiency	Frequency	Iq	SHDN Iq	Enable
		Min(V)	Max(V)	(mA)	(V)	(η)%	(KHz)	(uA)	(uA)	
HCR3325	TO252-5L	4.5	40	3000	5.0/ADJ	80	150	2000	80	L
HCR3326D	TO263-5	4.5	40	3000	ADJ/3.3/5.0/12	90	150	2000	80	L
HCR3326T	TO-220-5	4.5	40	3000	ADJ/3.3/5.0/12	90	150	2000	80	L
HCR3327	TO252-5L	5	40	4000	ADJ	95	120	2300	80	-
HCR3332	SOP-8(EP)	5	45	2000	ADJ	93	200	2500	35	L
HCR3335	SOP-8(EP)	5	45	3000	ADJ	94	200	2500	35	L
HCR3422	SOP-8(EP)	4.5	60	2000	ADJ	90	200	130	1	H
HCR3432	SOP-8(EP)	4.5	65	3500	ADJ	93	500	180	4	H
HCR3443H	SOP-8(EP)	5.0	80	400	ADJ	90	150	2500	85	L
HCR3446H	SOP-8(EP)	8.0	80	1000	ADJ	91	100	2100	160	L
HCR3452H	SOP-8(EP)	12	90	600	ADJ	93	150	2500	85	L

电源类产品：Power Products

1.2 -DC/DC升压IC系列 /DC to DC Up Converters

Part No.	Package	Input Voltage		ISW	VOUT Voltage	Efficiency	Frequency	Iq	SHDN Iq	Enable
		Min(V)	Max(V)	(mA)	(V)	(η)%	(KHz)	(uA)	(uA)	
HCR6601A	TDFN2X2-6L	1.8	5.5	400	ADJ to 38V	90	1000	20	1.0	H
HCR6601B	SOT23-5	1.8	5.5	400	ADJ to 38V	90	1000	20	1.0	H
HCR6602	SOT23-6L	2.7	5.5	1100	5V/ADJ to 5.5V	90	1200	30	1.0	H
HCR6603	SOT23-6L	0.9	5.5	1100	3.3V/5.0V/ADJ	90	1200	30	1.0	H
HCR6628	SOT23-6L	2.5	24.0	4000	ADJ to 28V	93	1200	70	1.0	H
HCR6635	SOT23-6L	2.5	7.0	3000	ADJ to 28V	90	1000	100	0.1	H
HCR6607	SOP-8(EP)	3.6	24.0	2000	ADJ to 60V	90	400	2500	70	H
HCR6610	TQFN4.5X3.5-20L	2.7	12.0	10000	ADJ to 12.6V	91	2000	80	0.5	H
HCR6611	TQFN-2X2.5-11L	2.7	12.0	7000	ADJ to 12.6V	90	2000	100	0.6	H
HCR6623	QFN3X3-10L	5.0	24.0	13000	ADJ to 36V	90	370	800	3.0	H
HCR6638	ESOP-16L	3.0	16.0	14000	ADJ to 22V	93	350	200	36.0	H
HCR6679	ESOP-16L	2.7	16.0	15000	ADJ to 26.8V	96	350	350	1.0	H

电源类产品：Power Products

1.3-LDO线性稳压器 /LDO Linear Regulator

Part No.	Package	Input Voltage		IOUT	VOUT Voltage	PSSR	No load Iq	SHDN Iq	Accuracy	Enable
		Min(V)	Max(V)	(mA)	(V)	(dB)	(uA)	(uA)	%	
HCR1117	SOT89-3/SOT-223	2.75	15.0	800	ADJ/1.2V/1.5V/1.8V/2.5V/3.3V/5.0V	60	5.0	NA	±2	-
HCR1117H	SOT-223	2.75	20.0	1250	ADJ/1.2V/1.5V/1.8V/2.5V/3.3V/5.0V	75	5.0	NA	±2	-
HCR2403	SOT23-5/SOT89-5/SOT89-3	3.5	15.0	500	2.8/3.0/3.3/3.6/4.0/4.5/5.0	40	2.0	NA	±2	H
HCR2406	SOT23-5	2.5	18.0	400	ADJ/3.3/3.6/4.0/5.0	60	45.0	1.0	±2	H
HCR2473	SOT23-3/SOT23-5/SOT89	2.2	20.0	300	2.1/2.3/2.5/2.8/3.0/3.3/3.6/4.0/4.4/5.0/9.0	54	1.5	-	±2	-
HCR2473H	SOT23-3/SOT89	3.0	20.0	500	2.8/3.0/3.3/3.6/4.0/5.0	70	2.0	-	±2	-
HCR2410	SOT-23-5(L-type)/SOT-89-3(L-Type)	2.4	20.0	100	2.1V/2.3V/2.5V/2.7V/3.0V/3.3V/4.0V/4.4V/5.0V	60	5.0	NA	±2	NA
HCR2472	SOT-23-5/SOT89-3	3.0	24.0	150	3.0/3.3/4.0/5.0	60	3.0	NA	±2	-
HCR2416	SOT-23-5	2.0	24.0	500	ADJ/1.8/3.3/5.0	70	1.5	0.1	±1	H
HCR2418	SOT89-3/SOT-223	2.0	24.0	800	1.8V/2.5V/3.3V/5.0V	70	1.5	NA	±1	-
HCR2420	SOT-23-5/DFN-1X1-4L	2.0	30.0	200	1,2/1.8/3.3/5.0/9.0/12	70	2.2	0.5	±2	H
HCR2423	SOT-23-5	2.0	30.0	400	ADJ/1,2/1.8/3.3/5.0/9.0/12	70	2.2	0.5	±2	H
HCR2425	SOT23/SOT23-5/SOT89-3L/SOT89-3L(L-Type)	2.0	36.0	150	3.0/3.3/3.6/4.36/5.0	70	2.2	0.5	±2	H
HCR2426	SOT-23-5/DFN-1X1-4L/DFN1.6X1.6-6L	2.0	36.0	200	1.8/3.3/5.0/9.0/12	70	2.2	0.5	±2	H
HCR2455A	SOT-23-5	3.0	40.0	800	ADJ(VFB=0.6V)	65	25	1.0	±2	H
HCR2455B	ESOP-8L	3.0	40.0	1000	ADJ(VFB=0.6V)/1.8/3.0/3.3/5.0	65	25	1.0	±2	H
HCR2454A	SOT-23-5	3.0	45.0	350	1.8V/2.8/3.0V/3.3V/5.0V	85	2.1	2.5	±2	H
HCR2454C	SOT-89-3/TO-252	3.0	45.0	350	1.8V/2.8/3.0V/3.3V/5.0V	85	2.1	2.5	±2	NA
HCR2454M	SOT-89-5	3.0	45.0	350	1.8V/2.8/3.0V/3.3V/5.0V	85	2.1	2.5	±2	H
HCR2553A	SOT-23-5	2.0	55.0	200	1.8V/3.3V/5.0V/9V/12V	70	2.2	0.5	±1	H
HCR2553B	SOT-89-3	2.0	55.0	200	1.8V/3.3V/5.0V/9V/12V	70	2.2	0.5	±1	NA
HCR2556	SOT-23-5/SOT-89-3	5.0	60.0	150	3.0V/3.3V/3.6/5.0V	70	2.0	0.5	±2	NA/H

电源类产品：Power Products

1.3-LDO线性稳压器 /LDO Linear Regulator

Part No.	Package	Input Voltage		IOUT (mA)	VOUT Voltage (V)	PSSR (dB)	No load Iq (uA)	SHDN Iq (uA)	Accu racy %	Enable
		Min(V)	Max(V)							
HCR2130	SOT-23-3	2.5	6.0	300	0.9V/1.2V/1.3V/1.5V/1.8V/2.1V/2.5V/2.6V/2.7V/2.8V/2.85V/2.9V/3.0V/3.1V/3.2V/3.3V/3.6V/4.2V/5.0V	69	0.22	NA	±2.5	NA
HCR2133	SOT-23-3 /SC70-5 /SC-82 /SOT-23-5	2.3	6.0	300	ADJ/1.8V/2.5V/2.8V/3.0V/3.3V/4.15V/4.2V	70	60	1.0	±2	H
HCR2134	SOT-23-5	2.0	7.0	500	0.9V/1.0V/1.2V/1.5V/1.8V/2.5V/2.8V/3.0V/3.3V/3.6V	70	0.3	0.1	±2	H
HCR2136	SOT-23-5 /DFN-1X1-4L /DFN-2X2-6L	2.3	5.5	300	1.2V/1.5V/1.6V/1.8V/2.5V/2.8V/3.0V/3.3V	80	2	0.1	±2	H
HCR2138	TDFN-1X1-4L /SOT23-3 / SOT-23-5	1.7	7.5	500	ADJV/0.75V/1V/1.5V/1.8V/2.1V/2.5V/2.7V/2.8V/3.0V/3.3V/3.6V/4.0V/5.0V	74	30	0.01	±2	H
HCR2196	SOT-23/SOT23-5/SOT89/SOT89-5/DFN-1X1-4L	1.7	7.0	600	ADJ/0.7V/1V/1.2V/1.5V/1.8V/2.5V/2.8V/3.0V/3.3V/3.6V	75	50	1.0	±2.0	H
HCR2D2202	SOT-23-6	2.5	6.0	250 /250	refer to SPEC	71	190	1.0	±2	H1/H2
HCR2D2207	SOT-23-6	2.5	6.0	250 /250	refer to SPEC	71	190	1.0	±2	H1/H2

电源类产品：Power Products

1. 4-三端稳压器 /Three Terminal Voltage Regulator

Part No.	Package	Input Voltage		IOUT (mA)	VOUT Voltage (V)	PSSR (Min) (dB)	No load Iq (mA)	SHDN Iq (uA)	Accu racy %	tatus Active /Not
		Min(V)	Max(V)							
HCR78L33	SOT89-3L		30.0	100	3.3	47	3.75	-	±5	Not
HCR78L44	SOT89-3L		30.0	100	4.4	47	3.75	-	±5	Not
HCR78L05	SOT89-3L	-	30.0	100	5.0	47	3.75	-	±4	Not
HCR78L06	SOT89-3L	-	30.0	100	6.0	40	3.75	-	±5	Not
HCR78L08	SOT89-3L	-	30.0	100	8.0	40	3.75	-	±5	Not
HCR78L09	SOT89-3L	-	30.0	100	9.0	40	3.75	-	±5	Not
HCR78L10	SOT89-3L	-	30.0	100	10.0	40	3.75	-	±5	Not
HCR78L12	SOT89-3L	-	35.0	100	12.0	40	3.75	-	±5	Not
HCR78L15	SOT89-3L	-	35.0	100	15.0	40	3.75	-	±5	Not

电源类产品：Power Products

1. 4-三端稳压器 /Three Terminal Voltage Regulator

Part No.	Package	Input Voltage		IOUT (mA)	VOUT Voltage (V)	PSSR (Min) (dB)	No load Iq (mA)	SHDN Iq (uA)	Accu racy %	tatus Active /Not
		Min(V)	Max(V)							
HCR78L18	SOT89-3L	-	35.0	100	18.0	40	3.75	-	±5	Not
HCR78S33	SOT89-3L		30.0	200	3.3	47	3.75	-	±5	Not
HCR78S05	SOT89-3L	-	30.0	200	5.0	47	3.75	-	±4	Not
HCR78S06	SOT89-3L	-	30.0	200	6.0	40	3.75	-	±5	Not
HCR78S08	SOT89-3L	-	30.0	200	8.0	40	3.75	-	±5	Not
HCR78S09	SOT89-3L	-	30.0	200	9.0	40	3.75	-	±5	Not
HCR78S10	SOT89-3L	-	30.0	200	10.0	40	3.75	-	±5	Not
HCR78S12	SOT89-3L	-	30.0	200	12.0	40	3.75	-	±5	Not
HCR78S15	SOT89-3L	-	30.0	200	15.0	40	3.75	-	±5	Not
HCR78S18	SOT89-3L	-	30.0	200	18.0	40	3.75	-	±5	Not
HCR78M05TE	TO252-3L	-	35.0	500	5.0	47	3.75	-	±5	Not
HCR78M06TE	TO252-3L	-	35.0	500	6.0	40	3.75	-	±5	Not
HCR78M08TE	TO252-3L	-	35.0	500	8.0	40	3.75	-	±5	Not
HCR78M09TE	TO252-3L	-	35.0	500	9.0	40	3.75	-	±5	Not
HCR78M10TE	TO252-3L	-	35.0	500	10.0	40	3.75	-	±5	Not
HCR78M12TE	TO252-3L	-	35.0	500	12.0	40	3.75	-	±5	Not
HCR78M15TE	TO252-3L	-	35.0	500	15.0	40	3.75	-	±5	Not
HCR78M18TE	TO252-3L	-	35.0	500	18.0	40	3.75	-	±5	Not
HCR78M24TE	TO252-3L	-	35.0	500	24.0	40	3.75	-	±5	Not
HCR78D05TE	TO252-3L	-	35.0	1000	5.0	47	3.75	-	±5	Not
HCR78D06TE	TO252-3L	-	35.0	1000	6.0	40	3.75	-	±5	Not
HCR78D08TE	TO252-3L	-	35.0	1000	8.0	40	3.75	-	±5	Not
HCR78D09TE	TO252-3L	-	35.0	1000	9.0	40	3.75	-	±5	Not
HCR78D10TE	TO252-3L	-	35.0	1000	10.0	40	3.75	-	±5	Not
HCR78D12TE	TO252-3L	-	35.0	1000	12.0	40	3.75	-	±5	Not
HCR78D15TE	TO252-3L	-	35.0	1000	15.0	40	3.75	-	±5	Not
HCR7805TE	TO252-3L	-	35.0	1500	5.0	47	3.75	-	±5	Not
HCR7806TE	TO252-3L	-	35.0	1500	6.0	40	3.75	-	±5	Not
HCR7808TE	TO252-3L	-	35.0	1500	8.0	40	3.75	-	±5	Not
HCR7809TE	TO252-3L	-	35.0	1500	9.0	40	3.75	-	±5	Not

电源类产品：Power Products

1. 4-三端稳压器 /Three Terminal Voltage Regulator

Part No.	Package	Input Voltage		IOUT	VOUT Voltage	PSSR (Min)	No load Iq	SHDN Iq	Accuracy	Status Active /Not
		Min(V)	Max(V)	(mA)	(V)	(dB)	(mA)	(uA)	%	
HCR7810TE	TO252-3L	-	35.0	1500	10.0	40	3.75	-	±5	Not
HCR7812TE	TO252-3L	-	35.0	1500	12.0	40	3.75	-	±5	Not
HCR7815TE	TO252-3L	-	35.0	1500	15.0	40	3.75	-	±5	Not
HCR79L05	SOT89-3L	-	-30	-100	-5.0	47	-3.75	-	±5	Not
HCR79L06	SOT89-3L	-	-30	-100	-6.0	47	-3.75	-	±5	Not
HCR79L08	SOT89-3L	-	-30	-100	-8.0	47	-3.75	-	±5	Not
HCR79L09	SOT89-3L	-	-30	-100	-9.0	47	-3.75	-	±5	Not
HCR79L12	SOT89-3L	-	-30	-100	-12.0	47	-3.75	-	±5	Not
HCR79L15	SOT89-3L	-	-30	-100	-15.0	47	-3.75	-	±5	Not
HCR79M05TE	TO252-3L	-	-35	-500	-5.0	47	-3.75	-	±5	Not
HCR79M12TE	TO252-3L	-	-35	-500	-12	40	-3.75	-	±5	Not
HCR79M15TE	TO252-3L	-	-35	-500	-15	40	-3.75	-	±5	Not
HCR79D05TE	TO252-3L	-	-35	-1000	-5.0	47	-3.75	-	±5	Not
HCR79D12TE	TO252-3L	-	-35	-1000	-12	40	-3.75	-	±5	Not
HCR79D15TE	TO252-3L	-	-35	-1000	-15	40	-3.75	-	±5	Not
HCR79D18TE	TO252-3L	-	-35	-1000	-15	40	-3.75	-	±5	Not
HCR7905TE	TO252-3L	-	-35	-1500	-5.0	47	-3.75	-	±5	Not
HCR7906TE	TO252-3L	-	-35	-1500	-6.0	47	-3.75	-	±5	Not
HCR7908TE	TO252-3L	-	-35	-1500	-8.0	47	-3.75	-	±5	Not
HCR7909TE	TO252-3L	-	-35	-1500	-9.0	47	-3.75	-	±5	Not
HCR7910TE	TO252-3L	-	-35	-1500	10.0	40	3.75	-	±5	Not
HCR7912TE	TO252-3L	-	-35	-1500	-12	40	-3.75	-	±5	Not
HCR7915TE	TO252-3L	-	-35	-1500	-15	40	-3.75	-	±5	Not
LM317LSQ	SOT89-3L	-	37.0	100	ADJ(1.2~37)	47	3.75	-	±5	Not
LM317LM8	SOP-8	-	37.0	100	ADJ(1.2~37)	40	3.75	-	±5	Not
LM317SM8	SOP-8	-	37.0	1000	ADJ(1.2~37)	40	3.75	-	±5	Not
LM317SST	SOT-223	-	37.0	1000	ADJ(1.2~37)	40	3.75	-	±5	Not
LM317STE	TO252-3L	-	37.0	1000	ADJ(1.2~37)	40	3.75	-	±5	Not
LM317ST	SOT-223	-	37.0	1500	ADJ(1.2~37)	40	3.75	-	±5	Not

电源类产品：Power Products

1.5-锂电充充电管理 /Li-Ion Battery Chargers

Part No.	Battery Number	Package	Input Voltage Range		Progra-mmable Current	Charge Voltage	SHDN Iq	Indicator LED Number	Set Current	With NTC
			Min(V)	Max(V)						
HCR4054C	1	SOT23-5L	4.25	12	ADJ to 600	4.2	25	1	Y	N
HCR4055	1	SOT23-6L	4.25	12	ADJ to 600	4.2	25	2	Y	N
HCR4056	1	SOP-8(EP)	4.25	12	ADJ to 1000	4.15~4.35	25	2	Y	Y
HCR9051A	1	SOT-553	4.25	6.5	ADJ to 100	4.2	2.0	1	Y	N
HCR90561	1	TDFN-2X2-8L	4.55	9.35	5 to 200	4.2/4.3/4.35	1	2	Y	N
HCR90571	1	TDFN-2X2-8L /TDFN-2X3-8L /TDFN-3X3-8L	4.55	9.35	ADJ to 900	4.2	1.0	1	Y	N
HCR9059	1	SOP-8(EP)	2.3	8.5	ADJ to 1200	4.2	25	2	Y	Y
HCR90671	1	TDFN-2X2-8L	4.25	10	5 to 500	4.2	1	2	Y	N
HCR9723A	1	TDFN-2X3-8L	3.5	5.5	ADJ to 2300	4.2	1.5	2	Y	Y
HCR9761A	1	SSOP-10	4.5	28.0	ADJ to 4000	4.2	15.0	2	Y	N
HCR9762A	2	SSOP-10	6.6	30.0	ADJ to 4000	8.4	15.0	2	Y	N
HCR9763A	3	SSOP-10	6.6	30.0	ADJ to 4000	12.6	15.0	2	Y	N
HCR9764A	4	TSSOP-16	7.5	28.0	ADJ to 5000	16.8	15.0	2	Y	Y
HCR9765A	N	SSOP-10	6.6	30.0	ADJ to 4000	ADJ Voltage	15.0	2	Y	Y
HCR9776X	2~10	TSSOP20EP	8.0	60.0	ADJ to 10000	ADJ Voltage	15.0	2	Y	Y

电源类产品：Power Products

1.6-负载电子开关 /Load Current Switches

Part No.	Package	Input Voltage		Continuous Output Current	Current Limit	RDS(ON)	Iq	Fast Transient Response	With Fault Control	Enable
		Min(V)	Max(V)	(mA)	(mA)	mΩ	uA	us	(Y/N)	
HCR2815L	SOT23-5L	2.4	5.5	ADJ-100 to 1000	RSET	150	9	0.4	Y	L
HCR2815H	SOT23-5L	2.4	5.5	ADJ-100 to 1000	RSET	150	9	0.4	Y	H
HCR2821H1A	SOT23-5	2.7	5.5	1000	1300	50	80	2	Y	H
HCR2821H2A	SOT23-5	2.7	5.5	2000	2200	45	80	2	Y	H
HCR2821H2A5	SOT23-5	2.7	5.5	2500	2850	33	80	2	Y	H
HCR2821H3A	SOT23-5	2.7	5.5	3000	3200	33	80	2	Y	H
HCR2821L1A	SOT23-5	2.7	5.5	1000	1300	50	80	2	Y	L
HCR2821L2A	SOT23-5	2.7	5.5	2000	2200	45	80	2	Y	L
HCR2821L2A5	SOT23-5	2.7	5.5	2500	2850	33	80	2	Y	L
HCR2821L3A	SOT23-5	2.7	5.5	3000	3200	33	80	2	Y	L
HCR2822HADJ	TDFN2X2-6L	2.7	5.5	ADJ-0 to 2400	RSET	40	80	2	Y	H
HCR2822LADJ	TDFN2X2-6L	2.7	5.5	ADJ-0 to 2400	RSET	40	80	2	Y	L
HCR2823HADJ	SOT23-6	2.7	5.5	ADJ-0 to 2400	RSET	40	80	2	Y	H
HCR2823LADJ	SOT23-6	2.7	5.5	ADJ-0 to 2400	RSET	40	80	2	Y	L

电源类产品：Power Products

1.7-电压检测和复位 /Supervisor&Reset ICs

Part No.	Package	Detect Thresho Id	Input Voltage		Quiesce nt Current	Manual Reset	Watchd og Timer	Vcc to Reset Delay	Reset Active Timeout Period	Reset Output
		(V)	Min(V)	Max(V)	(uA)	(Y/N)	s	us	ms	
HCR803BM	SOT23-3	4.38V	1.2	5.5	0.3	Yes	1.6	110	240	Low
HCR803BJ	SOT23-3	4.00V	1.2	5.5	0.3	Yes	1.6	110	240	Low
HCR803BT	SOT23-3	3.08V	1.2	5.5	0.3	Yes	1.6	110	240	Low
HCR803BS	SOT23-3	2.93V	1.2	5.5	0.3	Yes	1.6	110	240	Low
HCR803BR	SOT23-3	2.63V	1.2	5.5	0.3	Yes	1.6	110	240	Low
HCR809BM	SOT23-3	4.38V	1.2	5.5	0.3	Yes	No	110	ADJ	High
HCR809BJ	SOT23-3	4.00V	1.2	5.5	0.3	Yes	No	110	ADJ	High
HCR809BT	SOT23-3	3.08V	1.2	5.5	0.3	Yes	No	110	ADJ	High
HCR809BS	SOT23-3	2.93V	1.2	5.5	0.3	Yes	No	110	ADJ	High
HCR809BR	SOT23-3	2.63V	1.2	5.5	0.3	Yes	No	110	ADJ	High
HCR810BM	SOT23-3	4.38V	1.2	5.5	20	Yes	No	110	ADJ	Low
HCR810BJ	SOT23-3	4.00V	1.2	5.5	20	Yes	No	110	ADJ	Low
HCR810BT	SOT23-3	3.08V	1.2	5.5	20	Yes	No	110	ADJ	Low
HCR810BS	SOT23-3	2.93V	1.2	5.5	20	Yes	No	110	ADJ	Low
HCR810BR	SOT23-3	2.63V	1.2	5.5	20	Yes	No	110	ADJ	Low

电源类产品：Power Products

1.8-马达驱动 /Motor Driver

Part No.	Package	Input Voltage		Output Voltage	Output Current Max	Sleep Mode Current	PWM Frequency	Operating Current	Motor Type	Operating Temperature
		Min(V)	Max(V)	(V)	(A)	(nA)	KHz	(uA)		(°C)
HCR8837A	DFN2X2-8L	2.5	7.0	12	1.8	35	0-250	510	Brushed DC Motor	-40 to 85
HCR8837B	SOIC-8	2.5	7.0	12	1.8	35	0-250	510	Brushed DC Motor	-40 to 85

电源类产品：Power Products

1.9-过压过流保护 /OVP&OCP

Part No.	Package	Input Voltage Range		VIN OVP	VB OVP	Quescent Current	Shutdown Current	Current Limit	Soft-Start	Fault Flag
		Min(V)	Max(V)	(V)	(V)	(uA)	(uA)	(A)	Yes&Not	Yes&Not
HCR2603	TDFN2X2-8L	3.0	40.0	5.85	4.35	400	85	1.0	Yes	Yes
HCR2605	TDFN2X2-6L	3.0	28.0	5.85	4.35	400	85	1.0	Yes	Yes

电源类产品：Power Products

1.10-LED&LCD驱动 /LED&LCD-Driver

Part No.	Channel	Package	Input Voltage Range		Open LED Protection	Quescent Current	ILIM	Switching Frequency	Function	Operating Temperature Range
			Min(V)	Max(V)	(V)	(mA)	(A)	KHz		(°C)
HCR3703	3	ETSSOP20	2.5	7.0	7	1.5	0.15	/	High-Side LED Driver Thermal Sharing AEC-Q100	-40 to 125
HCR3750	1	SOT-23-6L	2.7	20.0	30	0.87	1.65	1150	White LED Driver	-40 to 85

逻辑&转换产品：Logic & Converters Products

2.1-74HC&HCT&AHC&AHCT产品 /74HC&HCT&AHC&AHCT-Products

Part No.	Road Number	Package	Type Description	Min. Input Voltage	Max. Input Voltage	Input Current or GND Current	Operating Temperature range
				Min(V)	Max(V)	(uA)	(°C)
HCR74HC/HCT00	4	SOP14 /TSSOP14	Quad 2-input Nand Gate(4路2输入与非门)	2.0	6.0	±50	-40 to +125
HCR74HC/HCT02	4	SOP14 /TSSOP14	Quad 2-input Nor Gate(4路2输入或非门)	2.0	6.0	±50	-40 to +125
HCR74HC/HCT03	4	SOP14 /TSSOP14	Quad 2-input Nand Gate with Open-drain Output (4路2输入与非门 (开漏))	2.0	6.0	±50	-40 to +125
HCR74HC/HCT04	6	SOP14 /TSSOP14	Hex Inverter (6路反相器)	2.0	6.0	±50	-40 to 125
HCR74HC/HCT05	6	SOP14 /TSSOP14	Hex Inverter with Open-drain Outputs (6路反相器 (开漏))	2.0	6.0	±50	-40 to +125
HCR74HC/HCT07	6	SOP14 /TSSOP14	Hex Buffer with Open-drain Outputs (6路缓冲器 (开漏))	2.0	6.0	±50	-40 to +125
HCR74HC/HCT14	6	SOP14 /TSSOP14	Hex Inverting Schmitt Trigger (6路反相施密特触发器)	2.0	6.0	±50	-40 to +125
HCR74HC/HCT74	2	SOP14 /TSSOP14	Dual D-type Flip-flop with set and reset; Positive-edge Trigger(带置位和复位功能的双D触发器;正边沿触发)	2.0	6.0	±50	-40 to +125
HCR74HC/HCT86	4	SOP14 /TSSOP14	Quad 2-input Exclusive-or Gate (4路2输入异或门)	2.0	6.0	±50	-40 to +125
HCR74HC/HCT125	4	SOP14 /TSSOP14	Quad Buffer/Line Driver; 3-state (带三态控制的4路缓冲器/线驱动器)	2.0	6.0	±70	-40 to +125
HCR74HC/HCT138	3	SOP16 /TSSOP16	3-to-8 Line Decoder/Demultiplexer; Inverting (3线到8线译码器/解复用器; 反相)	2.0	6.0	±50	-40 to +125
HCR74HC/HCT164	8	SOP14 /TSSOP14	8-bit Serial-in, Parallel-out Shift Register(8位串行输入并行输出移位寄存器)	2.0	6.0	±50	-40 to +125
HCR74HC/HCT165	8	SOP16 /TSSOP16	8-bit Parallel-in, Serial out Shift Register(8位并入串出移位寄存器)	2.0	6.0	±50	-40 to +125
HCR74HC/HCT244	8	SOP20 /TSSOP20	Octal Buffer/Line Driver; 3-state (带三态控制的8路缓冲器/线驱动器)	2.0	6.0	±70	-40 to +125
HCR74HC/HCT245	8	SOP20 /TSSOP20	Octal Bus Transceiver; 3-state (八线总线收发器; 三态)	2.0	6.0	±70	-40 to +125
HCR74HC/HCT4051	1:8	SOP16 /TSSOP16	8-Channel Analog Multiplexer/Demultiplexer (8通道模拟多路复用器/解多路复用器)	3.0	9.0	±50	-40 to +125
HCR74HC/HCT4052	2:4	SOP16 /TSSOP16	Dual 4-Channel Analog Multiplexer/Demultiplexer(双4通道模拟多路复用器/解多路复用器)	3.0	9.0	±50	-40 to +125
HCR74HC/HCT4053	3:2	SOP16 /TSSOP16	Triple 2-Channel Analog Multiplexer/Demultiplexer(三通道2-通道模拟多路复用器/解多路复用器)	3.0	9.0	±50	-40 to +125
HCR74HC/HCT4066	4:4	SOP14 /TSSOP14	Quad Bilateral Switches(四通道双向开关)	3.0	9.0	±50	-40 to +125
HCR74HC/HCT541	8	SOP20 /TSSOP20	Octal Buffer/Line Driver; 3-state(八路缓冲器/线驱动器; 三态)	2.0	6.0	±70	-40 to +125
HCR74HC/HCT595	8	SOP16 /TSSOP16	8-bit Serial-in, Serial or parallel-out shift register with output latches; 3-state(8位串行输入, 串行或并行输出移位寄存器, 带输出锁存器; 三态)	2.0	6.0	±70	-40 to +125

逻辑&转换产品：Logic & Converters Products

2.1-74HC&HCT&AHC&AHCT产品 /74HC&HCT&AHC&AHCT-Products

Part No.	Road Number	Package	Type Description	Min. Input Voltage	Max. Input Voltage	Input Current or GND Current	Operating Temperature range
				Min(V)	Max(V)	(uA)	(°C)
HCR74AHC/AHCT1G04	1	SOT23-5 /SOT353	Single Inverter (单路反相器)	2.0	5.5	±75	-40 to +125
HCR74AHC/AHCT1G08	1	SOT23-5 /SOT353	Single 2-input And Gate (单路2输入与门)	2.0	5.5	±75	-40 to +125
HCR74AHC/AHCT1G14	1	SOT23-5 /SOT353	Single Inverter Schmitt Trigger (单路施密特反相器)	2.0	5.5	±75	-40 to +125
HCR74AHC/AHCT1G125	1	SOT23-5 /SOT353	Single Buffer/Line Driver; 3-state(单缓冲器/线路驱动器; 三态)	2.0	5.5	±75	-40 to +125
HCR74AHC/AHCT1G126	1	SOT23-5 /SOT353	Single Buffer Gate With 3-state Output(具有3态输出的单缓冲门)	2.0	5.5	±50	-40 to +125

逻辑&转换产品：Logic & Converters Products

2.2-74LV&LVC&LVT产品 /74LV&LVC&LVT-Products

Part No.	Road Number	Package	Type Description	Min. Input Voltage	Max. Input Voltage	Input Current or GND Current	Operating Temperature range
				Min(V)	Max(V)	(mA)	(°C)
HCR74LV1T08	1	SOT23-5 /SOT353	2-input Single Supply Translating And Gate (单路单电源转换2输入与门)	1.6	5.5	±100	-40 to 125
HCR74LV1T34	1	SOT23-5 /SOT353	Single Supply Translating Buffer (单电源转换缓冲器)	1.6	5.5	±50	-40 to 125
HCR74LV1T125	1	SOT23-5 /SOT353	Single Supply Translating Buffer/Line Driver; 3-state(带三态控制的单路单电源转换缓冲器/线驱动)	1.6	5.5	±50	-40 to 125
HCR74LVC1G00	1	SOT23-5 /SOT353	Single 2-input Nand Gate (单路2输入与非门)	1.65	5.5	±100	-40 to 125
HCR74LVC1G02	1	SOT23-5 /SOT353	Single 2-input Nor Gate (单路2输入或非门)	1.65	5.5	±100	-40 to 125
HCR74LVC1G04	1	SOT23-5 /SOT353	Single Inverter (单路反相器)	1.65	5.5	±100	-40 to 125
HCR74LVC1G08	1	SOT23-5 /SOT353	Single 2-input And Gate (单路2输入与门)	1.65	5.5	±100	-40 to 125
HCR74LVC1G14	1	SOT23-5 /SOT353	Single Inverter Schmitt Trigger (单路施密特反相器)	1.65	5.5	±100	-40 to 125
HCR74LVC1G17	1	SOT23-5 /SOT353	Single Buffer Schmitt Trigger (单路施密特缓冲器)	1.65	5.5	±100	-40 to 125
HCR74LVC1G32	1	SOT23-5 /SOT353	Single 2-input Or Gate (单路2输入或门)	1.65	5.5	±100	-40 to 125
HCR74LVC1G125	1	SOT23-5 /SOT353	Single Buffer/Line Driver; 3-state (带三态控制的单路缓冲器/线驱动器)	1.65	5.5	±100	-40 to 125
HCR74LVC138	3	SOP16 /TSSOP16	3-to-8 Line Decoder/Demultiplexer; Inverting(3-to-8线解码器/多路分解器; 反相)	1.65	3.6	±100	-40 to 125

逻辑&转换产品：Logic & Converters Products

2.2-74LV&LVC&LVT产品 /74LV&LVC&LVT-Products

Part No.	Road Number	Package	Type Description	Min. Input Voltage	Max. Input Voltage	Input Current or GND Current	Operating Temperature range
				Min(V)	Max(V)	(mA)	(°C)
HCR74LVC541	4	SOP20 /TSSOP20	Octal Buffer/Line Driver; 3-State(八路缓冲器/线路驱动器；三态)	1.65	3.6	±100	-40 to 125
HCR74LVC574	4	SOP20 /TSSOP20	Octal D-type flip-flop; positive edge-trigger; 3-State(八路D型触发器；正边缘触发；三态)	1.65	3.6	±100	-40 to 125
HCR74LVC2G04	2	SOT23-6 /SOT363	Dual Inverter (2路反相器)	1.65	5.5	±100	-40 to 125
HCR74LVC2G14	2	SOT23-6 /SOT363	Dual Inverter Schmitt Trigger (2路反相施密特触发器)	1.65	5.5	±100	-40 to 125
HCR74LVC2G17	2	SOT23-6 /SOT363	Dual Buffer Schmitt Trigger (双缓冲施密特触发器)	1.65	5.5	±100	-40 to 125

逻辑&转换产品：Logic & Converters Products

2.3-74AC&ACT&AVC&AUP产品 /74AC&ACT&AVC&AUP-Products

Part No.	Road Number	Package	Type Description	Min. Input Voltage	Max. Input Voltage	Input Current or GND Current	Operating Temperature range
				Min(V)	Max(V)	(mA)	(°C)
HCR74AVC2T45	2	VSSOP8 /TSSOP8	2-bit Dual Supply Translating Transceiver; 3-state(双电源带三态控制的2路总线收发器)	0.8	3.6	±100	-40 to 125
HCR74AVC8T245	8	TSSOP24	8-bit Dual Supply Translating Transceiver; 3-state (双电源带三态控制的8路总线收发器)	0.8	3.6	±100	-40 to 125
HCR74AUP1G08	1	SOT23-5 /SOT353	Low Power Single 2-input And Gate (低压单路2输入与门)	0.8	3.6	±50	-40 to 125
HCR74AUP1G74	1	TSSOP8 /VSSOP8	Low Power Single D-type flip-flop with set and reset; positive edge trigger(低压单路带置位复位功能上升沿触发D触发器)	0.8	3.6	±50	-40 to 125

逻辑&转换产品：Logic & Converters Products

2.4-HC4000产品系列 /HC4000 Product Series

Part No.	Road Number	Package	Type Description	Min. Input Voltage	Max. Input Voltage	Input Current or GND Current	Operating Temperature range
				Min(V)	Max(V)	(mA)	(°C)
HCR4000	2	SOP-14 /TSSOP-14	Dual 3-input Nor Gate and Inverter (2路3输入或非门与反相器)	3.0	15.0	±10	-40 to 125
HCR4001	4	SOP-14 /TSSOP-14	Quad 2-input Nor Gate (4路2输入或非门)	3.0	15.0	±10	-40 to 125
HCR4002	2	SOP-14 /TSSOP-14	Dual 4-input Nor Gate (2路4输入或非门)	3.0	15.0	±10	-40 to 125
HCR4013	2	SOP-14 /TSSOP-14	Dual D-type Flip-Flop(2路D型触发器)	3.0	15.0	±10	-40 to 125
HCR4017	5	SOP-16 /TSSOP-16	5-stage Johnson Decade Counter (5阶Johnson译码计数器)	3.0	15.0	±10	-40 to 125
HCR4027	2	SOP-16 /TSSOP-16	Dual JK Flip-Flop (2路JK触发器)	3.0	15.0	±10	-40 to 125
HCR4066	4	SOP14 /TSSOP14	Quad Bilateral Switches (4路双向开关)	3.0	15.0	±10	-40 to 125
HCR4067	16	SOP-24 /TSSOP-24	16-channel Analog Multiplexer/Demultiplexer(十六选一模拟开关)	3.0	15.0	±25	-40 to 125
HCR40106	6	SOP14 /TSSOP14	Hex Inverting Schmitt Trigger (6路施密特反相器)	3.0	20.0	±10	-40 to 125

逻辑&转换产品：Logic & Converters Products

2.5 -电子开关系列 /Analog Switches Series

Part No.	CH	Type	Package	Input Voltage		Iq	RON	-3dB Band width	VINH	VINL	tON	tOFF
				Min(V)	Max(V)	uA	(Ω)	(MHz)	Min(V)	Max(V)	(ns)	(ns)
HCR3157	1	1:2	SC70-6 /SOT-363 /SOT23-6	1.8	5.5	1.0	4.5	300	1.5	0.6	20	15
HCR3167	1	1:2	SC70-6 /SOT-363	1.8	5.5	1.0	9.0	600	1.5	0.6	20	15
HCR3801	1	1:2	SC70-6	1.8	5.5	1.0	2.5	120	2.4	0.8	11	30
HCR3802	2	2:2	MSOP-10	1.8	5.5	1.0	2.5	120	2.4	0.8	11	8
HCR38541	8	8:8	TSSOP-20	1.65	5.5	1.0	48	180	3.8	0.55	7.2	10.2
HCR38751	8	1:8	SOIC-16 /SSOP-16 /TSSOP-16 /TQFN-3X3-16L	2.5	5.5	1.0	48	180	1.7	0.5	60	70
HCR38752	8	4:2	SOIC-16 /SSOP-16 /TSSOP-16 /TQFN-3X3-16L	2.5	5.5	1.0	80	180	1.7	0.5	110	100
HCR38753	6	6:3	SOIC-16 /SSOP-16 /TSSOP-16 /TQFN-3X3-16L	2.5	5.5	1.0	48	180	1.7	0.5	60	70
HCR38754	4	4:4	TSSOP-14	2.5	5.5	1.0	24	180	1.57	0.5	75	125
HCR38754	4	4:4	SOIC-14	2.5	5.5	1.0	24	180	1.57	0.5	75	125

逻辑&转换产品：Logic & Converters Products

2.6 -电平转换器 /Level Translators

Part No.	Translators Per Package	Data Rate	Package	VCCA Range	VCCB Range	Direction	VCC Shutd own I/O State	Icc Max	Shutd own ICC Max	Logic Output	Features	Operati ng Temper ature range
		(Mbps)		(V)	(V)			(uA)	(uA)			(°C)
HCR0101	1	24/2	SOT23-6 /SOT363	1.65-5.5	2.3-5.5	Bidirect ional	Hi-Z	11	1	Open- Drain/Pu sh-Pull	GPIO Level Shifter	-40 to 125
HCR0102	2	24/2	SOT23-8 /TSSOP8 /VSSOP8	1.65-5.5	2.3-5.5	Bidirect ional	Hi-Z	13	1	Open- Drain/Pu sh-Pull	GPIO Level Shifter	-40 to 125
HCR0103	3	24/2	QFN10	1.65-5.5	2.3-5.5	Bidirect ional	Hi-Z	13	1	Open- Drain/Pu sh-Pull	GPIO Level Shifter	-40 to 125
HCR0104	4	24/2	SOP14 /TSSOP14	1.65-5.5	2.3-5.5	Bidirect ional	Hi-Z	15	1	Open- Drain/Pu sh-Pull	GPIO Level Shifter	-40 to 125
HCR0108	8	24/2	TSSOP20	1.65-5.5	2.3-5.5	Bidirect ional	Hi-Z	15	1	Open- Drain/Pu sh-Pull	GPIO Level Shifter	-40 to 125

运算放大器和比较器：Operational Amplifier & Comparator

3.1-精密运算放大器 /Precision Operational Amplifier

Part No.	Amp Numb er	Package	VOS(Offs et Voltage) Max@25' C	TC of VOS Typ	IB Typ	ENoise 0.01Hz~1 KHz	Rail-to- Rail I/O	Total Supply Voltage Range	GBP Typ.	Slew Rate Typ.	IQ/Am p Typ	CMRR Typ
			(uV)	(uV/°C)	(pA)	(nV √Hz)	Max(V)	(V)	(MHz)	(V/us)	(uA)	(dB)
HCRM8511	1	SOT-23-5	40	0.05	50	70	In,Out	2.3~5.5	0.35	0.17	60	130
HCRM8512	2	SOIC-8	40	0.05	50	70	In,Out	2.3~5.5	0.35	0.17	60	130
HCRM8514	4	SOIC-14	40	0.05	50	70	In,Out	2.3~5.5	0.35	0.17	60	130
HCRM8521	1	SOT-23-5	5	0.005	10	140	In,Out	2.3~5.5	0.35	0.17	60	130
HCRM8522	2	SOIC-8	5	0.005	10	140	In,Out	2.3~5.5	0.35	0.17	60	130
HCRM8524	4	SOIC-14	5	0.005	10	140	In,Out	2.3~5.5	0.35	0.17	60	130
HCRM8531	1	SOT-23-5	10	0.1	100	5.5	In,Out	2.3~5.5	3.7	0.7	1500	125
HCRM8532	2	SOIC-8	10	0.1	100	5.5	In,Out	2.3~5.5	3.7	0.7	1500	125
HCRM8538	1	SOT-23-5	5	0.005	50	60	In,Out	2.3~5.5	1.6	0.7	180	130
HCRM8539	2	SOIC-8	5	0.005	50	60	In,Out	2.3~5.5	1.6	0.7	180	130
HCRM8541	1	SOT-23-5	30	0.08	330	45	In,Out	2.0~5.5	0.35	0.16	40	120
HCRM8542	2	SOIC-8	30	0.08	330	45	In,Out	2.0~5.5	0.35	0.16	40	120
HCRM8551	1	SOT-23-5	5	0.005	50	35	In,Out	2.7~5.5	4.5	2.7	640	130
HCRM8552	2	SOIC-8	5	0.005	50	35	In,Out	2.7~5.5	4.5	2.7	640	130
HCRM8554	4	SOIC-14	5	0.005	50	35	In,Out	2.7~5.5	4.5	2.7	640	130
HCRM8561	1	SOT-23-5	20	0.1	100	32	In,Out	2.9~5.5	11	8.5	1300	120
HCRM8562	2	SOIC-8	20	0.1	100	32	In,Out	2.9~5.5	11	8.5	1300	120
HCRM8564	4	SOIC-14	20	0.1	100	32	In,Out	2.9~5.5	11	8.5	1300	120

运算放大器和比较器：Operational Amplifier & Comparator

3.2-高速运算放大器 /High-Speed Operational Amplifier

Part No.	Amp Numb er	Package	GBW Typ.	IQ/Amp Typ	Input Voltage Range	VOS Max @25°C	Slew Rate Typ.	Rail-to- Rail I/O	TC of VOS Typ	ENoise Typ@1 KHz	IB Typ	PSRR Typ
			(MHz)	(mA)	(V)	(mV)	(V/us)	Max(V)	(μ V/°C)	(nV/ $\sqrt{\text{Hz}}$)	(pA)	(dB)
HCRM8701	1	SOT-23-5	50	7.0	2.5-5.5	0.2	40	In,Out	1.6	4.4	50	107
HCRM8702	2	SOP-8	50	7.0	2.5-5.5	0.2	40	In,Out	1.6	4.4	50	107
HCRM8704	4	SOIC-14	50	7.0	2.5-5.5	0.2	40	In,Out	1.6	4.4	50	107
HCRM8761	1	SOT-23-5	250	8.3	2.7-5.5	2	180	In,Out	10	6	3	80
HCRM8762	2	SOIC-8	250	8.3	2.7-5.5	2	180	In,Out	10	6	3	80
HCRM8764	4	SOIC-14	250	8.3	2.7-5.5	2	180	In,Out	10	6	3	80

运算放大器和比较器：Operational Amplifier & Comparator

3.3-低噪声运算放大器 /Low Noise Operational Amplifier

Part No.	Amp Numb er	Package	Noise en Typ@1 KHz	GBP Typ.	Slew Rate Typ.	IQ/Amp Typ	Input Voltage Range	Rail-to- Rail I/O	VOS Max	TC of VOS Typ	IB Typ	PSRR Typ
			(nV/ $\sqrt{\text{Hz}}$)	(MHz)	(V/us)	(mA)	(V)	Max(V)	(mV)	(μ V/°C)	(pA)	(dB)
HCRM521	1	SC70-5 /SOT-23-5	15	3.6	1.8	0.26	2.5-5.5	In,Out	3	2	1	86
HCRM522	2	SOIC-8	15	3.6	1.8	0.26	2.5-5.5	In,Out	3	2	1	86
HCRM524	4	SOIC-14	15	3.6	1.8	0.26	2.5-5.5	In,Out	3	2	1	86
HCRM621	1	SOT23-5	11	7.0	3.7	0.625	2.5-5.5	In,Out	3	2	1	93
HCRM622	2	SOIC-8	11	7.0	3.7	0.625	2.5-5.5	In,Out	3	2	1	93
HCRM624	4	SOIC-14	11	7.0	3.7	0.6	2.5-5.5	In,Out	3	2	1	93
HCRM721	1	SC70-5 /SOT-23-5	9.5	10	7.0	1.15	2.5-5.5	In,Out	2.5	2.6	1	85
HCRM722	2	SOIC-8	9.5	10	7.0	1.15	2.5-5.5	In,Out	2.5	2.6	1	85
HCRM724	4	SOIC-14	9.5	10	7.0	1.15	2.5-5.5	In,Out	2.5	2.6	1	85
HCRM821	1	SC70-5 /SOT-23-5	8.5	14	10	1.9	2.5-5.5	In,Out	2.5	1.6	1	88
HCRM822	2	SOIC-8	8.5	14	10	1.9	2.5-5.5	In,Out	2.5	1.6	1	88
HCRM824	4	SOIC-14	8.5	14	10	1.9	2.5-5.5	In,Out	2.5	1.6	1	88

运算放大器和比较器：Operational Amplifier & Comparator

3.4-通用运算放大器 /General Operational Amplifier

Part No.	Amp Number	Package	VOS Max @25°C	IQ/Am p Typ	Supply Voltage (Min.)	Input Voltage (Max.)	GBW Typ.	Slew Rate Typ.	Rail-to-Rail I/O	ENoise Typ@1KHz	IB Typ	PSRR Typ
			(mV)	(uA)	(V)	(V)	(MHz)	(V/us)	Max(V)	(nV/√Hz)	(pA)	(dB)
HCRM358H	2	SOIC-8	2.5	1300	3.0	36	1.2	0.5	/	38	15000	95
HCRM2904H	2	SOP-8	2.5	1300	3.0	36	1.2	0.5	/	38	15000	100
HCRM4558	2	SOIC-8	5.0	2500	3.0	±18	5.5	1.8	/	10	7000	95
HCRM4580	2	SOIC-8	3.0	2500	±2.0	±18	15.0	6.0	/	4.6	150	110
HCRM121	1	SOT23-5	5	12	2.5	5.5	0.15	0.05	In,Out	77	1	95
HCRM122	2	SOIC-8	5	12	2.5	5.5	0.15	0.05	In,Out	77	1	95
HCRM124	4	SOIC-14	5	12	2.5	5.5	0.15	0.05	In,Out	77	1	95
HCRM222	2	SOIC-8	3.5	26	2.5	5.5	0.5	0.18	In,Out	30	1	90
HCRM224	4	SOIC-14	3.5	26	2.5	5.5	0.5	0.18	In,Out	30	1	90
HCRM321	1	SOT23-5	4.5	60	2.2	5.5	1.1	0.5	In,Out	23	1	85
HCRM324	4	SOIC-14	4.5	60	2.2	5.5	1.1	0.5	In,Out	23	1	85
HCRM324A	4	SOIC-14	4.5	60	2.5	5.5	1.1	0.5	In,Out	22	10	90
HCRM358	2	SOIC-8	4.5	60	2.2	5.5	1.1	0.5	In,Out	23	1	85
HCRM358A	2	SOIC-8	4.5	60	2.5	5.5	1.1	0.5	In,Out	22	10	90
HCRM6001	1	SOT23-5	3	58	2.2	5.5	1.1	0.5	In,Out	22	1	90
HCRM6002	2	SOIC-8	3	58	2.2	5.5	1.1	0.5	In,Out	22	1	90
HCRM6004	4	SOIC-14	3	58	2.2	5.5	1.1	0.5	In,Out	22	1	90
HCRM8422	2	SOIC-8	3	1800	4.4	36.0	5.0	3.0	In,Out	44	10	120
HCRM8424	4	SOIC-14	3	1800	4.4	36.0	5.0	3.0	In,Out	44	10	120

运算放大器和比较器：Operational Amplifier & Comparator

3.5-纳安功耗运算放大器 /Nano Power Operational Amplifier

Part No.	Amp Number	Package	Iq/Amp Typ	Input Voltage Range	GBP Typ.	Slew Rate Typ.	Noise en Typ@1KHz	VOS Max@25°C	TC of VOS Typ	IB Typ	CMRR Typ	Rail-to-Rail I/O
			(uA)	(V)	(KHz)	(V/ms)	(nV/√Hz)	(mV)	(uV/°C)	(pA)	(dB)	Max(V)
HCRM8021	1	SC70-5 /SOT-23-5	0.35	1.4-5.5	5	1.5	360	3	2.3	1	90	In,Out
HCRM8031	1	SC70-5 /SOT-23-5	0.75	1.4-5.5	15	7.5	160	3	2.3	1	90	In,Out
HCRM8032	2	SOIC-8	0.35	1.4-5.5	15	7.5	160	3	2.3	1	90	In,Out
HCRM8034	4	SOIC-14	0.35	1.4-5.5	15	7.5	160	3	2.3	1	90	In,Out
HCRM8051	1	SC70-5 /SOT-23-5	0.67	1.4-5.5	100	30	160	5	2.3	1	75	In,Out
HCRM8052	2	SOIC-8	0.67	1.4-5.5	100	30	160	5	2.3	1	75	In,Out
HCRM8054	4	SOIC-14	0.67	1.4-5.5	100	30	160	5	2.3	1	75	In,Out

运算放大器和比较器：Operational Amplifier & Comparator

3.6-电流检测放大器 /Current-sense Amplifier

Part No.	Amp Number	Package	Comm on Mode Voltage	Supply Voltage Range	Input Offset(+/-)(Max.)	Input Offset Drift(+/-)(Typ.)	Gain	Gain Error	CMRR (Min.)	Band width at min Gain	Slew Rate Typ@G=10	Iq(Max.)
			(V)	(V)	(uV)	(uV/°C)	(V/V)	(%)	(dB)	(KHz)	(V/us)	(mA)
HCRM181	1	SOT23-6	-0.1-30	3-5.5	130	0.5	20,50,100	0.15	117	400	2	0.27
HCRM199	1	SC70-6	0-26	2.7-26	350	2	50,100,200	0.4	85	25	0.12	0.10
HCRM299	2	MSOP-8	4.5-76	4.5-76	800	/	20,50,60,100	0.25	105	135	/	0.18
HCRM4080A	2	SOP-8	5.0-100	5.0-100	400	/	20,50,60,100	0.1	125	180	/	0.15

运算放大器和比较器：Operational Amplifier & Comparator

3.7-特殊运算放大器 /Special Operational Amplifier

Part No.	Amp Number	Package	VOS Max @25°C	IQ/Amp Typ	Supply Voltage Range	GBP Typ.	Slew Rate Typ.	ENoise Typ@1 KHz	IB Typ	CMRR Typ	Op-Temp Range	Additional Feature
			(mV)	(mA)	(V)	(MHz)	(V/us)	(nV/√Hz)	(nA)	(dB)	(°C)	
HCRM3414	2	SOT-23-5	±5.0	4.5	3.0~15.0	1.3	1.0	-	500	95	-40 to 125	单电源大电流双运放
HCRM07C	1	SOIC-8	±0.15	4.5	±2.0~±22.0	0.6	0.4	10	7	100	-40 to 125	精密单运放
HCRM13700M	2	SOIC-16	±4.0	2.2	10.0~32	-	50	-	220	110	-40 to 125	双路跨导双运放

运算放大器和比较器：Operational Amplifier & Comparator

3.8-低功耗比较器 /Nano Power Comparator

Part No.	Chan nel	Package	Iq per Chann el(Typ)	Feature	Input Voltage Range	VOS Max(@ 25°C)	Propagat ion Delay (L to H)	Propag ation Delay (H to L)	Trise @VCC =5V	Tfall@ VCC= 5V	Output Type	Operating Temperat ure Range
			(nA)	-	(V)	(mV)	(us)	(us)	(ns)	(ns)	-	(°C)
HCRM8901	1	SC70-5 /SOT-23-5	400	N	1.4~5.5	3.0	21	9	240	260	Push-Pull	-40V to 125
HCRM8905	2	SOIC-8 /MSOP8	400	N	1.4~5.5	3.0	21	9	240	260	Push-Pull	-40 to 125
HCRM8907	1	SC70-5 /SOT-23-5	400	N	1.4~5.5	3.0	21	9	240	260	Push-Pull	-40V to 125
HCRM8912	1	SOT23-6	485	1.2V Ref Out	2.5~5.5	3.5	10	10	12000	12000	Push-Pull	-40V to 125

运算放大器和比较器：Operational Amplifier & Comparator

3.9-高速比较器 /High-Speed Comparator

Part No.	Chan nel	Package	Iq per Chann el(Typ)	Feature	Input Voltage Range	VOS Max(@ 25°C)	Propagat ion Delay (L to H)	Propag ation Delay (H to L)	Trise @VCC =5V	Tfall@ VCC= 5V	Output Type	Operating Temperat ure Range
			(uA)	-	(V)	(mV)	(ns)	(ns)	(ns)	(ns)	-	(°C)
LM2901	4	SOP14 /TSSOP14	45	N	3.3~32	4.5	800	400	-	-	Open- Drain(NFET)	-40V to 125
LM2903	2	SOIC-8 /MSOP8	55	N	3.3~32	3.5	1600	500	-	-	Open- Drain(NFET)	-40 to 125
LM331	1	SOT-23-5	65	N	3.0~32	7.5	300	300	-	-	Open- Drain(NFET)	-40V to 125
LM393	2	SOP8	20	N	3.0~32	4.5	6100	2000	-	-	Open- Drain(NFET)	-40V to 125
HCRM331	1	SOT23-5	50	N	1.8~5.5	3.5	700	185	-	42	Open- Drain(NFET)	-40V to 125
HCRM339	4	SOIC-14	50	N	1.8~5.5	3.5	700	185	-	42	Open- Drain(NFET)	-40V to 125
HCRM393	2	SOIC-8	50	N	1.8~5.5	3.5	700	185	-	42	Open- Drain(NFET)	-40V to 125
HCRM8904	1	SOT23-5	120	N	2.7~5.5	20	30	25	2	2	Push-Pull	-40V to 125
HCRM8920	2	SOIC-8	186	N	2.8~36	3.5	-	40	/	10	Open- Drain(NFET)	-40V to 125
HCRM8931	1	SOT23-5	2500	N	2.7~5.5	5	10	10	2.2	2.2	Push-Pull	-40V to 125
HCRM8931 S	1	SOT23-6	2500	En Control	2.7~5.5	5	10	10	2.2	2.2	Push-Pull	-40V to 125

场效应管：MOS FETs

4.1-低压N-MOS场效应管(0V 至199V) /Low Voltage N-MOSFET from 0V to 199V

Part No.	Technol ogy	Package	Polar ity	BVDS S	ID (Tc=25 °C)	Pulsed Drain Curre nt	Power Dissip ation	VGS	VGE(th)	Rdson (10V)	Rdson (4.5V)	Rdson (2.5V)	QG
	Trench		N	(V)	(A)	(A)	(W)	(V)	(V)	Typ.m Ω	Typ.mΩ	Typ.m Ω	(nC)
HCR2300N	Trench	SOT-23	N	20	6.0	20	1.4	±10	0.5 ~ 1.0	28	38	52	16.8
HCR2302N	Trench	SOT-23	N	20	3.0	10	1.25	±8	0.5 ~ 1.0	-	60	85	5.4
HCR2304N	Trench	SOT-23	N	20	4.2	15	1.4	±12	0.4 ~ 1.0	-	41	52	6.2
HCR2306N	Trench	SOT-23	N	20	5.9	20	1.3	±8	0.4 ~ 1.0	-	25	35	13.4
HCR2308N	Trench	SOT-23	N	20	5.0	15	1.25	±8	0.45 ~ 0.85	-	25	30	7.5
HCR2312N	Trench	SOT-23	N	20	3.0	10	1.25	±8	0.5 ~ 1.0	-	65	85	5.4
HCR2314NE	Trench	SOT-23	N	20	5.0	15	1.3	±12	0.45 ~ 0.95	-	27	33	11
HCR2316N	Trench	SOT-23	N	20	3.4	10	1.3	±8	0.4 ~ 0.9	-	76	104	1.8
HCR2320N	Trench	SOT-23	N	20	2.1	8	1.15	±8	0.65 ~ 1.2	-	35	45	4.0
HCR2330N	Trench	SOT-23	N	30	2.5	10	1.25	±12	1.0 ~ 2.0	55	80	-	2.4
HCR2332N	Trench	SOT-23	N	30	3.5	16	1.25	±20	1.0 ~ 3.0	57	94	-	4.2
HCR2334N	Trench	SOT-23	N	30	4.0	15	1.4	±12	0.8 ~ 1.6	70	75	105	4.34
HCR2336NE	Trench	SOT-23	N	30	5.3	22	1.4	±10	0.5 ~ 1.3	32.5	35	36	9.1
HCR2338N	Trench	SOT-23	N	30	5.8	20	1.4	±20	1.0 ~ 3.0	38	52	-	13.88
HCR2339NE	Trench	SOT-23	N	30	7.7	30	1.4	±12	0.5 ~ 1.5	-	38	52	19
HCR2340N	Trench	SOT-23	N	40	5.2	30	1.4	±20	1.0 ~ 2.5	43	64	-	3.5
HCR2342N	Trench	SOT-23	N	40	5.8	30	1.4	±20	1.0 ~ 3.0	26	35	-	9.9
BSS138NE	Trench	SOT-23	N	50	0.22	0.88	0.36	±20	0.8 ~ 1.6	3500	6000	-	1.7
HCR2352N	Trench	SOT-23	N	55	2.1	10	1.25	±12	0.6 ~ 2.0	-	125	157	2.6
HCR2360N	Trench	SOT-23	N	60	2.0	10	1.25	±20	1.5~ 2.5	160	220	-	4.8
HCR2362N	Trench	SOT-23	N	60	3.0	10	1.38	±20	1.0~ 2.0	90	120	-	6.0

场效应管：MOS FETs

4.2-低压P-MOS场效应管(0 至 -199V) /Low Voltage P-MOSFET from 0V to 199V

Part No.	Technol ogy	Package	Polar ity	BVDSS	ID (Tc=25 °C)	Pulsed Drain Curren t	Power Dissip ation	VGS	VGE(th)	Rdson (10V)	Rdson (4.5V)	Rdson (2.5V)	QG
	Trench		P	(V)	(A)	(A)	(W)	(V)	(V)	Typ.m Ω	Typ.m Ω	Typ.m Ω	(nC)
HCR2213P	Trench	SOT-23	P	-12	-4.3	-34	1.3	±8	-0.4 ~ -0.95	-	45	60	10
HCR2215P	Trench	SOT-23	P	-15	-4.5	-34	1.3	±8	-0.6 ~ -1.0	-	35	50	10
HCR2217P	Trench	SOT-23	P	-16	-3.0	-12	1.25	±12	-0.45 ~ -1.0	-	60	80	10
HCR2321P	Trench	SOT-23	P	-20	-2.3	-10	1.15	±8	-0.4 ~ -1.0	-	112	142	3.3
HCR2301P	Trench	SOT-23	P	-20	-2.8	-10	1.25	±8	-0.5 ~ -1.0	-	105	145	5.8
HCR2303P	Trench	SOT-23	P	-20	-2.9	-10	1.25	±12	-0.4 ~ -1.0	-	100	160	6.0
HCR2305P	Trench	SOT-23	P	-20	-4.5	-18	1.25	±12	-0.5 ~ -1.0	-	28	38	6.0
HCR2323P	Trench	SOT-23	P	-20	-4.7	-20	1.25	±20	-0.4 ~ -1.0	-	39	52	12.5
HCR2307P	Trench	SOT-23	P	-20	-5.2	-20	1.3	±10	-0.3 ~ -0.8	-	31	44	18
HCR2309P	Trench	SOT-23	P	-20	-5.7	-10	1.25	±8	-0.3 ~ -0.9	-	26	35	10
HCR2313P	Trench	SOT-23	P	-20	-1.6	-5.0	0.5	±8	-0.4 ~ -1.5	-	110	150	6
HCR2315P	Trench	SOT-23	P	-20	-4.0	-30	1.4	±8	-0.4 ~ -0.8	-	45	54	17.2
HCR2317P	Trench	SOT-23	P	-20	-3.2	-12	1.25	±12	-0.6 ~ -1.0	-	56	69	10
HCR2331P	Trench	SOT-23	P	-30	-1.4	-10	0.9	±20	-1.0 ~ -3.0	-	240	460	4.5
HCR2333P	Trench	SOT-23	P	-30	-2.6	-20	1.4	±12	-0.6 ~ -1.4	130	180	260	4.4
HCR2335P	Trench	SOT-23	P	-30	-3.5	-20	1.3	±20	-1.0 ~ -3.0	70	95	-	9.4
HCR2337P	Trench	SOT-23	P	-30	-4.2	-20	1.4	±20	-1.0 ~ -3.0	60	90	-	14.3
HCR2396P	Trench	SOT23-3L	P	-30	-5.4	-80	2.5	±20	-1.2 ~ -2.5	29	40	-	11.4
HCR2341P	Trench	SOT-23	P	-40	-3.2	-10	1.25	±20	-1.0 ~ -2.5	164	260	-	15
HCR2343P	Trench	SOT-23	P	-40	-3.0	-12	1.25	±20	-1.0 ~ -3.0	82	130	-	15
HCR2351P	Trench	SOT-23	P	-50	-0.18	-0.7	0.85	±20	-0.9 ~ -2.9	8000	10000	-	1.7
BSS84P	Trench	SOT-23	P	-50	-0.18	-0.7	0.85	±20	-0.9 ~ -2.9	8000	10000	-	1.7

场效应管： MOS FETs

4.3低压Dual-MOS场效应管(0 至 -199V) /Low Voltage Dual-MOSFET from 0V to 199V

Part No.	Technol ogy	Package	Polar ity	BVDS S	ID (Tc=25 °C)	Pulse d Drain Curre nt	Power Dissip ation	VGS	VGE(th)	Rdson (10V)	Rdson (4.5V)	Rdson (2.5V)	QG
	Trench			(V)	(A)	(A)	(W)	(V)	(V)	Typ.m Ω	Typ.m Ω	Typ.m Ω	(nC)
HCR3921PP	Trench	SOT23-6L	P+P	-20	-2.3	-10	1.13	±8	0.4 ~ 1.0	-	90	125	3.3
HCR10H03NN	Trench	SOT23-6L	N+N	30	10	30	1.0	±12	0.5 ~ 1.2	18	22	36	11.5
HCR3902NP	Trench	SOT23-6L	N+P	20	3	13	0.8	±12	0.5 ~ 1.2	-	45	60	2.9
HCR3902NP	Trench	SOT23-6L	N+P	-20	-3	-13	0.8	±12	0.5 ~ 1.2	-	78	102	3.2
HCR3912NP	Trench	SOT23-6L	N+P	30	4.9	19	1.4	±12	0.8 ~ 1.2	49	68	115	5.8
HCR3912NP	Trench	SOT23-6L	N+P	-30	-3	-12	1.4	±12	0.5 ~ 1.2	100	150	255	6.5

场效应管： MOS FETs

4.4-中压场效应管(200V 至 400V) /MID Voltage MOSFET from 200V to 400V

Part No.	Technol ogy	Package	BVds s	ID (TJ=25 °C)	ID (TJ=10 0°C)	Pulse d Drain Curre nt	Power Dissip ation (TC=1 00°C)	VGS	VGE(th)	Rdson (Vgs=10V)		Ciss (Typ.)	QG
	Trench		(V)	(A)	(A)	(A)	(W)	(V)	(V)	Typ.m Ω	Typ.m Ω	pF	(nC)
HCR31N20S1	Trench	PDFN5X6-8L	200	31	21	120	62.5	±20	3.0 ~ 5.0	57	72	2570	53
HCR33N20D	Trench	TO-252-2L	200	33	23	130	78	±20	3.0 ~ 5.0	57	70	2574	51
HCR72N20B	Trench	TO-263-2L	200	72	51	350	134	±20	2.0 ~ 4.0	22	28	5558	127
HCR64N20P	Trench	TO-220AB	200	64	46	250	131	±20	3.0 ~ 5.0	27	32	5057	101

场效应管: MOS FETs

4.5-高压场效应管(400V 至 1000V) /High Voltage MOSFET from 400V to 1000V

Part No.	Techno logy	Package	BVdss	ID (TJ=25 °C)	ID (TJ=10 0°C)	Pulse d Drain Curre nt	Power Dissip ation	VGE	VGE(th)	Rdson (10V)		Ciss (Typ.)	QG (Typ.)
	Trench			(V)	(A)	(A)	(A)	(W)	(V)	(V)	Typ.mΩ	Max.m Ω	pF
HCR15N50F	SJ-III	TO-220F	500	15	7.9	60	48	±30	2.0~4.0	400	480	1800	45
HCR18N50F	SJ-III	TO-220F	500	18	14	72	37	±30	2.0~4.0	310	370	3300	58
HCR20N50F	SJ-III	TO-220F	500	20	12.9	80	38.5	±30	2.0~4.0	210	260	2550	50
HCR08N65F	SJ-III	TO-220F	650	8	4.8	32	64	±30	3.0~4.0	950	1150	1110	37
HCR10N65F	SJ-III	TO-220F	650	10	6.2	40	50	±30	3.0~5.0	750	900	1450	30
HCR12N65F	SJ-III	TO-220F	650	12	7.0	48	48	±30	2.0~4.0	600	720	2284	50.5
HCR20N65F	SJ-III	TO-220F	650	20	14.0	80	62.2	±30	2.0~4.0	320	400	2847	60
HCR30N65W	SJ-III	TO-3PN	650	30	15.0	100	300	±30	2.0~4.0	250	300	4611	82
HCR40N65W	SJ-III	TO-3PN	650	40	23.0	160	350	±30	2.0~4.0	146	180	10100	156
HCR08N80F	SJ-III	TO-220F	800	8	5.5	32	57	±30	2.0~4.0	1400	1800	1701	49

场效应管: MOS FETs

4.6-IGBT管 /IGBT MOSFETs

Part No.	Techno logy	Package	V(BR)C ES	IC (TC=10 0°C)	Pulse d Collec tor Curre	Power Dissip ation	TSC	VGE	V(th) Typ.	VCE(sat) @VGE=15V, at 25°C		Cies Typ.	Qg Typ.
			(V)	(A)	(A)					Typ.V	Max.V	pF	(nC)
HCR15T60B	IGBT	TO-220AB	600	15	45	105	3	±30	5.0	1.7	1.9	1635	63
HCR20T60F	IGBT	TO-220F	600	20	60	34.5	3	±30	5.0	1.7	1.9	2580	97
HCR20T60P	IGBT	TO-220AB	600	20	60	135	3	±30	5.0	1.7	1.9	2580	97
HCR20T65F	IGBT	TO-220F	650	20	60	30	5	±30	5.6	1.9	2.2	990	45
HCR20T65P	IGBT	TO-220AB	650	20	60	125	5	±30	5.6	1.9	2.2	990	45
HCR20T65T	IGBT	TO-263	650	20	60	125	5	±30	5.6	1.9	2.2	990	45
HCR20T65W	IGBT	TO-247	650	20	60	142	5	±30	5.6	1.9	2.2	990	45
HCR40T65W	IGBT	TO-247	650	40	120	197	-	±30	4.4	1.8	2.3	2220	15
HCR60T65W	IGBT	TO-247	650	60	180	260	-	±30	5.0	1.85	2.2	3800	158
HCR75T65W	IGBT	TO-247	650	75	300	500	5	±30	5.6	1.7	2.2	4500	260

音频功放：Audio Power Amplifier

5.1-Class-D Audio Power Amplifier/D类数字音频功放

Part No.	Stere or Mono	Package	Power THD_1%&Ω	Power THD_10%&Ω	Power THD_ Base on Voltage	Input Voltage Range	THD+ N	Categ ory	Input Differ ence or Single Mode	Shutd own Logic	Shutd own Curre nt Typ	Click-Pop Supp ressi on	With Built-in boost
			(W)	(W)	(V)	(V)	(%)	-	-	-	(uA)	(Yes/N ot)	(Yes/No t)
HCR4820	Stere	TSSOP-28	2X20W/4Ω 1X40W/2Ω	2X25W/4Ω 1X45W/2Ω	14.5	4.5~16	0.02	Class-D	Differ ence	Active High	20	Yes	Yes
HCR4826	Stere	ESOP16L	2X33W/4Ω 1X65W/4Ω	2X40W/4Ω 1X80W/4Ω	24.0	5.5~24	0.1	Class-D	Differ ence	Active Low	20	Yes	Yes

音频功放：Audio Power Amplifier

5.2-AB类音频功放 /Class AB Audio Power Amplifier

Part No.	Stere or Mono	Package	Power THD_1%&Ω	Power THD_10%&Ω	Power THD_ Base on Voltage	Input Voltage Range	THD+ N	Categ ory	Input Differ ence or Single Mode	Shutd own Logic	Shutd own Curre nt Typ	Click-Pop Supp ressi on	Operati ng Tempe rature Range
			(W/Ω)	(W)	(V)	(V)	(%)	Class-AB/D	-	-	(uA)	(Yes/N ot)	
HCR4191	Mono	DFN2X2-8L	1.35/8	1.65/8	5.0	2.5~6.0	0.07	AB or D	Differ ence	not	0.1	Yes	-40V to 125
HCR4871	Mono	SOP8/MSO P8/ESOP8	2.0/4	2.5/4	5.0	2.0~5.5	0.13	AB	Differ ence	Active High	0.6	Yes	-40V to 125
HCR4890	Mono	SOP8/MSO P8/ESOP8	1.5/4	2.0/4	5.0	2.0~5.5	0.13	AB	Differ ence	Active High	0.6	Yes	-40V to 125

音频功放：Audio Power Amplifier

5.3-耳机音频功放 /Headphone Audio Power Amplifier

Part No.	Stere or Mono	Package	Power THD_0.1%&Ω	Power THD_0.1%&Ω	Power THD_ Base on Voltage	Input Voltage Range	THD+ N	Categ ory	Input Differ ence or Single Mode	Shutd own Logic	Shutd own Curre nt Typ	Click-Pop Supp ressi on	Operati ng Tempe rature Range
			(mW)	(mW)	(V)	(V)	(%)	Class-D/AB	-	-	(uA)	(Y/N)	
HCR4809	Stere	MSOP-8	80mW/32Ω	140mW /16Ω	5.0	2.0~5.5	0.3	D	Single	Active High	0.5	Yes	-40V to 125
HCR4810	Stere	MSOP-8	82mW/32Ω	132mW /16Ω	5.0	2.5~5.5	0.03	D	Single	Active High	0.5	Yes	-40V to 125
HCR4915	Stere	MSOP-8	87mW/32Ω	158mW /16Ω	5.0	2.5~5.5	0.03	D	Single	Active Low	0.6	Yes	-40V to 125

三极管-NPN&PNP： Transistor-NPN&PNP

6.1-开关三极管 /Switching Transistor

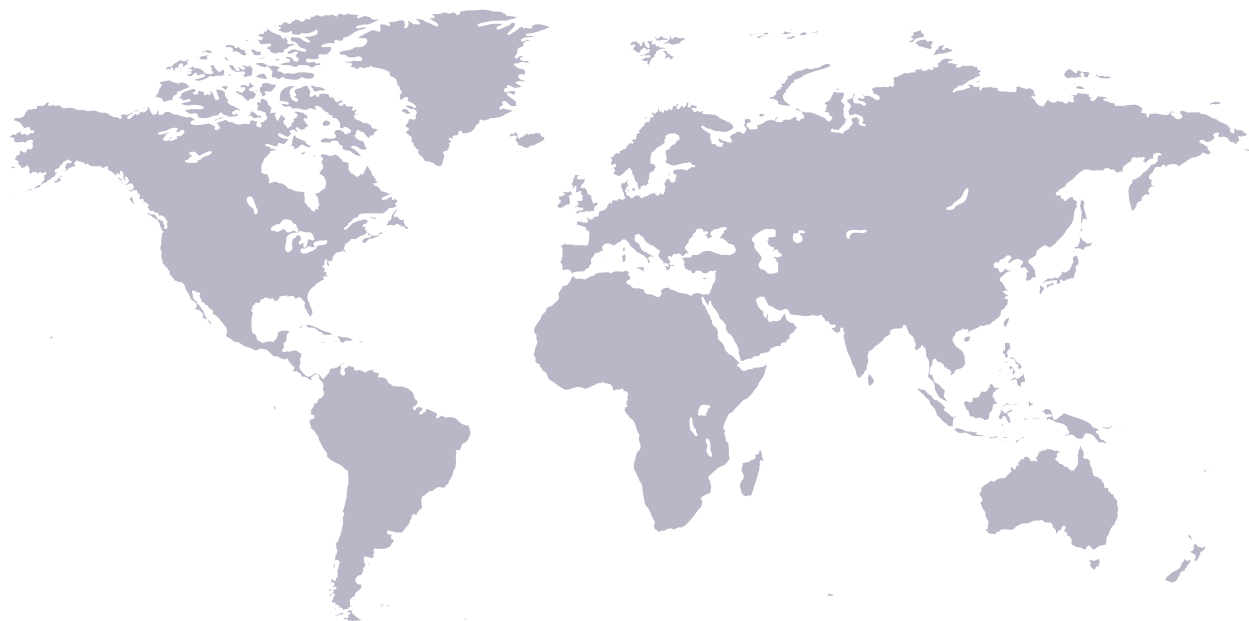
Part No.	Polarity	Package	VCBO	IC	PD	hEF		FT(Min)	td	tr	ts	tf
			(V)	(mA)	(mW)	Min	Max	MHz	(ns)	(ns)	(ns)	(ns)
MMBT3904FN	NPN	DFN1006-3L	40	200	100	100	300	300	35	35	200	50
MMBT3906FN	PNP	DFN1006-3L	-40	-200	100	100	300	300	35	35	225	75
MMBT2222AM	NPN	SOT-723	40	500	100	100	300	300	10	25	225	60
MMBT3904M	NPN	SOT-723	40	200	100	100	300	300	35	35	200	50
MMBT3906M	PNP	SOT-723	-40	-200	100	100	300	300	35	35	225	75
MMBT2222AT	NPN	SOT-523	40	600	150	100	300	300	10	25	225	60
MMBT3904T	NPN	SOT-523	40	200	150	100	300	300	35	35	200	50
MMBT3906T	PNP	SOT-523	-40	-200	150	100	300	300	35	35	225	75
MMBT2907AT	PNP	SOT-523	-60	-600	150	100	300	200	10	40	225	30
MMBT3904W	NPN	SOT-323	40	200	150	100	300	300	35	35	200	50
MMBT3906W	PNP	SOT-323	-40	-200	150	100	300	300	35	35	225	75
MMBT3904	NPN	SOT-23	40	200	350	100	300	300	35	35	200	50
MMBT3906	PNP	SOT-23	-40	-200	350	100	300	300	35	35	225	75
MMBT4401	NPN	SOT-23	40	600	300	100	300	250	15	20	225	60
MMBT4403	PNP	SOT-23	-40	-600	300	100	300	200	15	20	225	60
MMBT3904TDN	NPN+NPN	SOT-563	40	200	200	100	300	300	35	35	200	50
MMBT3906TDP	PNP+PNP	SOT-563	-40	-200	200	100	300	300	35	35	200	50
MMBT3946TNP	NPN+PNP	SOT-563	±40	±200	200	100	300	300	35	35	200	50
MMBT3904WDN	NPN+NPN	SOT-363	40	200	200	100	300	300	35	35	200	50
MMBT3906WDP	PNP+PNP	SOT-363	-40	-200	200	100	300	300	35	35	200	50
MMBT3946WNP	NPN+PNP	SOT-363	±40	±200	200	100	300	300	35	35	200	50
MMBT4401WDN	NPN+NPN	SOT-363	40	600	200	100	300	250	15	20	225	30
MMBT4403WDP	PNP+PNP	SOT-363	-40	-600	200	100	300	200	15	20	225	30
MMBT4413WNP	NPN+PNP	SOT-363	±40	±600	200	100	300	250	15	20	225	30

三极管-NPN&PNP: Transistor-NPN&PNP

6.2-通用三极管 /General Transistor

Part No.	Polarity	Package	VCBO	IC	PD	hEF		FT(Min)	VCE (sat)	Cobo
			(V)	(mA)	(mW)	Min	Max	MHz	V	(pF)
BC847TLT1G	NPN	SOT-523	45	100	150	200	450	100	0.6	4.5
BC857TLT1G	PNP	SOT-523	-45	-100	150	125	800	100	-0.6	4.5
MMST4401WLT1G	NPN	SOT-323	40	600	200	100	300	250	0.75	6.5
MMST4403WLT1G	PNP	SOT-323	-40	-600	200	100	300	250	-0.75	8.5
MMSTA42WLT1G	NPN	SOT-323	300	200	300	100	200	50	0.2	-
MMSTA92WLT1G	PNP	SOT-323	-305	-200	300	100	200	50	-0.2	6.0
BC817WLT1G	NPN	SOT-323	45	500	200	100	600	100	0.7	5.0
BC807WLT1G	PNP	SOT-323	-45	-500	200	100	600	80	-0.7	10
BC847WLT1G	NPN	SOT-323	45	100	150	200	450	100	0.6	4.5
BC857TLT1G	PNP	SOT-323	-45	-100	150	200	450	100	-0.65	4.5
SS8050WLT1G	NPN	SOT-323	25	1500	250	120	400	100	0.5	15.0
SS8550WLT1G	PNP	SOT-323	-25	-1500	250	120	400	100	-0.5	20.0
BC817LT1G	NPN	SOT-23	45	500	300	100	600	100	-	-
BC807LT1G	PNP	SOT-23	-45	-500	300	100	600	100	-	-
BC847LT1G	NPN	SOT-23	45	100	200	200	450	100	-	-
BC857LT1G	PNP	SOT-23	-45	-100	200	200	450	100	-	-
S8050LT1G	NPN	SOT-23	40	500	300	200	350	150	-	-
S8550LT1G	PNP	SOT-23	-25	-500	300	120	400	150	-	-
M8050LT1G	NPN	SOT-23	25	800	200	80	400	150	-	-
M8550LT1G	PNP	SOT-23	-25	-800	200	85	400	150	-	-
SS8050LT1G	NPN	SOT-23	25	1500	300	120	400	100	-	-
SS8550LT1G	PNP	SOT-23	-25	-1500	300	120	400	100	-	-
S9014LT1G	NPN	SOT-23	45	100	200	200	1000	150	-	-
S9015LT1G	PNP	SOT-23	-45	-100	200	200	1000	150	-	-

让禾芯荣之芯跨入电子产品世界的每一个角落
Let HECORERONG Chips Reach Every Corner Of The Electronic World



深圳市禾芯荣半导体有限公司

SHENZHEN HEXINRONG SEMICONDUCTOR CO.,LIMITED

广东省深圳市罗湖区东门中兴 路239号外贸集团大厦2605室

Room 2605,foreign trade group building,239 Zhongxing
Road,Dongmen,Luohu District,Shenzhen

电话: +0755-89390689

传真: 0755-89578211

邮箱: sale@hcrsemi.com

网址: www.hcrsemi.com



禾芯荣半导体官网



禾芯荣半导体公众号