

产品手册

PASSIVE COMPONENT SELECTION GUIDE



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企业简介

COMPANY PROFILES

广东风华高新科技股份有限公司(证券简称风华高科,证券代码000636)成立于1984年,是一家专业从事高端新型元器件、电子材料、电子专用设备等电子信息基础产品的高新技术企业,1996年在深圳证券交易所挂牌上市。风华高科自进入电子元器件行业以来,实现了跨越式的发展,现已成为国内大型新型元器件及电子信息基础产品科研、生产和出口基地,拥有自主知识产权及核心产品关键技术的国际知名新型电子元器件行业大公司。

风华高科具有完整与成熟的产品链,具备为通讯类、消费类、计算机类、汽车电子类、照明电器类等电子整机整合配套供货的大规模生产能力。

风华高科致力于成为世界一流的电子元器件整合配套供应商及解决方案提供商,为客户提供一次购齐的信息基础产品超级市场服务和协同设计增值服务。

风华高科愿与客户、供应商、业界同仁及广大股东共同缔造电子信息产业的广阔未来!

Guangdong Fenghua Advanced Technology Holding Co.,Ltd. Held the initial public offering on the Shenzhen Stock Exchange in 1996. Since entering electronic component manufacturing in 1984, Fenghua Advanced Technology has achieved rapid development and growth. We have become one of the largest R&D, production and export of new electronic components and basic electronic information products in the world. Fenghua Advanced Technology is internationally recognized as a leader of electronic components, having independent intellectual-property rights and owning technology patents on core products.

With a mature and qualified production line, Fenghua has high volume manufacturing capabilities to supply communication, consumption, computer, automotive electronics, lighting, appliance and other integrated electronic applications.

Fenghua Advanced Technology is a world-class component manufacturing partner for electronic information based products; Fenghua Advanced Technology is devoted to provide exceptional support and value-added service in a collaborative effort for all customers, suppliers, peers and shareholders in the electronic industry!



01 电容器 CAPACITOR

片式多层陶瓷电容器
MULTILAYER CHIP CERAMIC CAPACITOR



Series	Size	Dielectric	Capacitance Range	Rated Voltage (V)	Capacitance Tolerance
General 通用型	01005~1812	C0G	0.1pF~100μF	4	±0.05pF
		X7R		6.3	±0.1pF
		X7S		10	±0.25pF
		X5R		16	±0.5pF
		X6S		25	±1%
		Y5V		50	±5%
		Z5U		50	±10%
					±20%

片式多层陶瓷电容器
MULTILAYER CHIP CERAMIC CAPACITOR



Series	Size	Dielectric	Capacitance Range	Rated Voltage (V)	Capacitance Tolerance
Middle-High Voltage 中高压型	0402~3035	C0G	0.1pF~4.7μF	100~5000	±0.05pF
		X7R			±0.1pF
		X7S			±0.25pF
		Y5V			±0.5pF
					±1%
					±5%
					±10%
					±20%

片式多层陶瓷电容器
MULTILAYER CHIP CERAMIC CAPACITOR



Series	Size	Dielectric	Capacitance Range	Rated Voltage (V)	Capacitance Tolerance		
HQ Microwave MLCC HQ微波电容	0201	C0G	0.1pF~1nF	25	±0.05pF		
	0402					50	±0.1pF
	0603					100	±0.25pF
	0805					200	±0.5pF
	0505					250	±5%
	1111					500	±5%

片式多层陶瓷电容器
MULTILAYER CHIP CERAMIC CAPACITOR



Series	Size	Dielectric	Capacitance Range	Rated Voltage (V)	Capacitance Tolerance
Low ESL MLCC 低ESL电容	0508	C0G	0.5pF~2.2μF	16	±0.1pF
		X7R			±0.25pF
					±0.5pF
					±1%
				50	±5%
	0612	Y5V			±10%
					±20%

片式多层陶瓷电容器
MULTILAYER CHIP CERAMIC CAPACITOR



Series	Size	Dielectric	Capacitance Range	Rated Voltage (V)	Capacitance Tolerance
Flexible MLCC 柔性端子电容器	0603~3035	COG	0.1pF~10μF	6.3~5000	±0.1pF ±0.25pF ±0.5pF ±1% ±5% ±10%
		X7R			

片式多层陶瓷电容器
MULTILAYER CHIP CERAMIC CAPACITOR



Series	Size	Dielectric	Capacitance Range	Rated Voltage (V)	Capacitance Tolerance
Safety Recognized MLCC 贴片安规电容器	1808	COG X7R	2.0pF~33nF (X1,X2,Y2,Y3)	250	±0.1pF ±0.25pF ±0.5pF ±1% ±5% ±10%
	1812				
	2220				
	2225				

片式多层陶瓷电容器
MULTILAYER CHIP CERAMIC CAPACITOR



Series	Size	Dielectric	Capacitance Range	Rated Voltage (V)	Capacitance Tolerance
Chip Three-terminals Ceramic Filter 片式三端陶瓷滤波电容器	5081	COG X7R	10pF~330nF	4, 6.3, 10 16, 25, 50, 100	±0.1pF; ±0.25pF ±0.5pF ±1%; ±5% ±10%
	5121				
Automotive Electronics MLCC 汽车电子电容器	0201~1812	COG	0.1pF~10μF	6.3~5000	±0.1pF; ±0.25pF ±0.5pF ±1%; ±5% ±10%
		X7R			
		X7S			

网络电容器
NETWORK CAPACITOR



Series	Size	Dielectric	Capacitance Range	Rated Voltage (V)	Capacitance Tolerance
Array MLCC 排容	6124	COG X7R Y5V	0.5pF~100nF	16 25 50	±0.1pF ±0.25pF ±0.5pF ±1% ±5% ±10% ±20%
	5084				
	5082				
	5082				

径向引线电容器
RADIAL LEADED MLCC



Series	PN	Chip Size	Capacitance Range(pF)	Tolerance	Temperature Characteristic	Main Rated Voltage(V)	Applications
Radial Leaded MLCC 径向引线多层陶瓷电容器	CC4-0805N	0805	0.5~4700	±0.25pF ±0.5pF ±5%	0±30 ppm/°C (-55~+125 °C)	50V 100V 200V	Filters, vibrators and timing circuits.
	CC4-1206N	1206					
	CC4-1210N	1210					
	CC4-1812N	1812	100~1000000	±10% ±20%	±15% (-55~+125 °C)	25V 50V 100V	Isolation, coupling, bypass and frequency discriminatinf circuit.
	CT4-0805B	0805					
	CT4-1206B	1206					
	CT4-1210B	1210	1000~2200000	±20% +80%~ -20%	-80%~+30% (-25~+85 °C)	25V 50V	Suitable for the circuit with large capacity and little temperature change.
	CT4-1812B	1812					
	CT4-0805Y	0805					
	CT4-1206Y	1206					
	CT4-1210Y	1210					
	CT4-1812Y	1812					

轴向激光电容器
AXIAL LEADED LASER-MARK MLCC



Series	PN	Chip Size	Capacitance Range(pF)	Tolerance	Temperature Characteristic	Main Rated Voltage(V)	Applications
Axial Leaded Laser-mark MLCC 轴向激光多层陶瓷电容器	CC42-13N	0603	0.5~4700	±0.25pF ±0.5pF ±5%	0±30 ppm/°C (-55~+125 °C)	50V 100V 200V	Filters, vibrators and timing circuits.
	CC42-15N	0805					
	CC42-16N	0805					
	CC42-17N	0805	100~220000	±10% ±20%	±15% (-55~+125 °C)	25V 50V	Isolation, coupling, bypass and frequency discriminatinf circuit.
	CT42-13B	0603					
	CT42-15B	0805					
	CT42-16B	0805	1000~1000000	±20% +80%~ -20%	-80%~+30% (-25~+85 °C)	25V 50V	Suitable for the circuit with large capacity and little temperature change.
	CT42-17B	0805					
	CT42-13Y	0603					
	CT42-15Y	0805					
	CT42-16Y	0805					
	CT42-17Y	0805					

轴向色环电容器
AXIAL COLOR CODE CAPACITOR



Series	PN	Chip Size	Capacitance Range(pF)	Tolerance	Temperature Characteristic	Main Rated Voltage(V)	Applications
Axial Color Code Capacitor 轴向色环电容器	ACC-03CG	0603	0.5~4700	±0.25pF ±0.5pF ±5%	0±30 ppm/°C (-55~+125 °C)	50V 100V 200V	Filters, vibrators and timing circuits.
	ACC- CG	0805					
	ACC-03B	0603	100~220000	±10% ±20%	±15% (-55~+125 °C)	25V 50V	Isolation, coupling, bypass and frequency discriminatinf circuit.
	ACC- B	0805					
	ACC-03F	0603	1000~1000000	±20% +80%~ -20%	-80%~+30% (-25~+85 °C)	25V 50V	Suitable for the circuit with large capacity and little temperature change.
	ACC- F/Y	0805					

圆片瓷介电容器
CERAMIC DISC CAPACITOR



Series	Voltage	N750	SL
CC81 High Voltage Temperature Compensation 高压温度补偿型	1KV 2KV 3KV	10pF~30pF 10pF~22pF 10pF~22pF	33pF~100pF 22pF~100pF 22pF~100pF

Loss value for small and high capacitance stability circuit: the resonant circuit, high-frequency bypass, temperature compensation and control time constant of the circuit components, high stability requirements of coupling components.

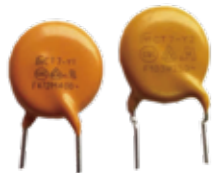
圆片瓷介电容器
CERAMIC DISC CAPACITOR



Series	Voltage	Y5P	Y5U	Y5V
CT81 High Voltage High Dielectric Constant 高温高介电常数	1KV	120pF~4.7nF	1nF~10nF	1nF~10nF
	2KV	120pF~3.9nF	820pF~10nF	1nF~10nF
	3KV	100pF~3.0nF	620pF~8.2nF	1nF~10nF
	4KV	100pF~1.5nF	1nF~4.7nF	1nF~4.7nF
	5~20KV	10pF~3.2nF customized according to Customer's requirements.		

Used for loss value and volume stability of circuits, such as low frequency, bypass, coupling, filtering, decoupling, etc. the time constant of components.

圆片瓷介电容器
CERAMIC DISC CAPACITOR



Series	Voltage	Y5P	Y5U	Y5V
CT7 Alternating Current Series 交流系列	Y2:250VAC/300VAC	100pF~1.5nF	680pF~6.8nF	1nF~10nF
	Y1:400VAC/500VAC	100pF~1nF	470pF~4.7nF	1nF~10nF

AC ceramic capacitor is suitable for electronic equipment as the Power cord connection and antenna coupling and bypass, etc.

圆片瓷介电容器
CERAMIC DISC CAPACITOR



Series	Voltage	Y5P	Y5U	Y5V
CHG Car Gauge Series Products 车规系列产品	Y2:250VAC/300VAC	100pF~1nF	470pF~6.8nF	1nF~10nF
	Y1:400VAC	100pF~1nF	470pF~4.7nF	1nF~10nF

CT7 ampere series upgrade products, meet the high reliability test requirements, suitable for cross-power wire connection, antenna coupling and bypass in electronic equipments.

铝电解电容器
ALUMINUM ELECTROLYTIC CAPACITOR



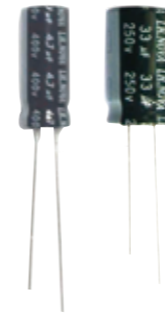
Series	Features	Shape or Type	Operating Temperature	Rated Voltage(V)	Capacitance Range(μF)	Load Life	Main Application
MT	105°C Long life	SMD	-40°C~+105°C	6.3~100	0.1~100	2000	General power supply & Power adapter
ME	Low impedance standard		-55°C~+105°C	6.3~50	1~1500	2000	
MG	105°C Long life		-40°C~+105°C	6.3~500	1~330	8000	Automotive lighting & Power supply
MVR	130°C Standard life		-40°C~+130°C	6.3~450	0.1~330	5000	

铝电解电容器
ALUMINUM ELECTROLYTIC CAPACITOR



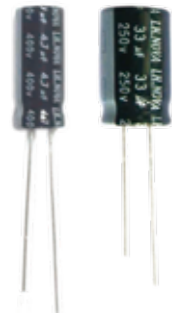
Series	Features	Shape or Type	Operating Temperature	Rated Voltage(V)	Capacitance Range(μF)	Load Life	Main Application
AMT	105°C Long life	SMD	-40°C~+105°C	6.3~100	0.1~220	2000	Compliant to AEC-Q200 Used for automobile modules
AMZ	Low impedance standard		-55°C~+105°C	6.3~50	1~100	2000~5000	
AMVR	130°C Standard life		-40°C~+130°C	6.3~450	0.1~330	5000	

铝电解电容器
ALUMINUM ELECTROLYTIC CAPACITOR



Series	Features	Shape or Type	Operating Temperature	Rated Voltage(V)	Capacitance Range(μF)	Load Life	Main Application
RT	Standard	Radial	-40°C~+105°C	6.3~550	0.47~10000	2000~3000	Switching Power supply & LED drive power
RG	High ripple current & Long life		-40°C~+105°C	6.3~500	2.2~220	8000	
RY	High ripple current & Long life		-40°C~+105°C	6.3~500	2.2~220	12000	
RV	130°C Long life		-40°C~+130°C	6.3~500	1~150	5000	
LE	High frequency & Low impedance		-55°C~+105°C	6.3~450	1~18000	2000~5000	
LY	Low impedance & Long life		-55°C~+105°C	6.3~450	6.8~18000	5000~10000	

铝电解电容器
ALUMINUM ELECTROLYTIC CAPACITOR



Series	Features	Shape or Type	Operating Temperature	Rated Voltage(V)	Capacitance Range(μF)	Load Life	Main Application
ARG	High ripple	Radial	-40°C~+105°C	6.3~500	2.2~220	8000	Compliant to AEC-Q200 Used for automobile modules
ALE	High ripple current & Long life		-55°C~+105°C	6.3~450	1~18000	2000~5000	
ARK	130°C Standard life		-40°C~+130°C	10~450	1~4700	2000	
ARW	150°C Standard life		-40°C~+150°C	6.3~450	2.2~4700	2000	

铝电解电容器
ALUMINUM ELECTROLYTIC CAPACITOR



Series	Features	Shape or Type	Operating Temperature	Rated Voltage(V)	Capacitance Range(μF)	Load Life	Main Application
GT	Large capacitance 85°C Standard	Screw	-40°C~+85°C	10~500	220~680000	2000	UPS & Air conditioning inverse transformer
GH	Large capacitance 105°C Standard		-40°C~+105°C	10~450	220~680000	2000	
GR	150°C Long life		-40°C~+105°C	10~450	220~680000	3000	
GS	150°C Extended lifetime		-40°C~+105°C	10~450	220~680000	5000	

铝电解电容器
ALUMINUM ELECTROLYTIC CAPACITOR



Series	Features	Shape or Type	Operating Temperature	Rated Voltage(V)	Capacitance Range(μF)	Load Life	Main Application
LK	85°C Standard	Snap-in	-40°C~+85°C	6.3~550	47~82000	2000	Switching power supply, Welding machine & Sewing machine
LT	105°C Standard		-40°C~+105°C	10~500	47~82000	2000	
LW	High ripple current range		-40°C~+105°C	10~500	47~82000	2000	Charging pile & Server & Communication equipment
LP	High ripple current range		-40°C~+105°C	10~500	47~82000	2000	Used for air conditioner

卷绕式超级电容器
WINDING TYPE SUPERCAPACITOR



Type	Series	Rated Voltage	Capacitance	Product Characteristics	Size(mm)
Cells	Normal	2.7V 3.0V	0.33F~3000F	Operating Temperature Range	-40°C~+70°C/85°C
	High Temperature			Cycle Life	500000Cycles
	Low ESR			High Temperature Loaded	Tmax±2°C, 1000h: C≥70%Cr, ESR:R _H /R ₀ ≤4
Modules	Normal	3.6V 160V	0.22F~200F	High Temperature Characteristics	Tmax, 16h: C≥70%Cr, ESR:R _H /R ₀ ≤2
	High Temperature			High Temperature Characteristics	Tmin, 16h: C≥70%Cr, ESR:R _L /R ₀ ≤2
	Low ESR			Low Temperature Characteristics	

扣式超级电容器
COIN TYPE SUPERCAPACITOR



Type	Series	Rated Voltage	Capacitance	Product Characteristics	Size(mm)
C	Normal	3.6V	0.1F~4.0F	Operating Temperature Range	-25°C~+70°C/85°C
	High Temperature			Cycle Life	500000Cycles
	Normal			High Temperature Loaded	Tmax±2°C, 1000h: C≥70%Cr, ESR:R _H /R ₀ ≤4
H	High Temperature	5.0V	0.1F~4.0F	High Temperature Characteristics	Tmax, 16h: C≥70%Cr, ESR:R _H /R ₀ ≤2
	Normal	5.5V		Low Temperature Characteristics	Tmin, 16h: C≥70%Cr, ESR:R _L /R ₀ ≤2
	High Temperature	7.5V		High Temperature Characteristics	Tmax, 16h: C≥70%Cr, ESR:R _H /R ₀ ≤2
V	Normal	7.5V	0.1F~4.0F	Low Temperature Characteristics	Tmin, 16h: C≥70%Cr, ESR:R _L /R ₀ ≤2
	High Temperature			High Temperature Characteristics	Tmax, 16h: C≥70%Cr, ESR:R _H /R ₀ ≤2
	Normal			Low Temperature Characteristics	Tmin, 16h: C≥70%Cr, ESR:R _L /R ₀ ≤2

锂离子超级电容器
LIC TYPE SUPERCAPACITOR



Type	Series	Rated Voltage	Capacitance	Product Characteristics	Size(mm)
Cells	LIC	3.8V	10F~750F	Operating Temperature Range	-20°C~+70°C
				Cycle Life	200000Cycles
				High Temperature Loaded	Tmax±2°C, 1000h: C≥70%Cr, ESR:R _H /R ₀ ≤4
				High Temperature Characteristics	Tmax, 16h: C≥70%Cr, ESR:R _H /R ₀ ≤2
				Low Temperature Characteristics	Tmin, 16h: C≥70%Cr, ESR:R _L /R ₀ ≤2

02 电阻器 RESISTOR

固态铝电解电容器
SOLID E-CAP



Series	Features	Shape or Type	Operating Temperature	Rated Voltage(V)	Capacitance Range(μF)	Load Life	Main Application
M1	Super low ESR		-55°C~+105°C				
M2	Standard			2.5~25	10~3500	2000	Computer and peripheral, Communication equipment & Fast charging field.
M4	125°C Guaranteed	SMD	-55°C~+125°C				
M5	Long life		-55°C~+105°C			5000	
M6	Low ESR & High ripple current and voltage			10~50	15~1000	2000	Automobile modules

固态铝电解电容器
SOLID E-CAP



Series	Features	Shape or Type	Operating Temperature	Rated Voltage(V)	Capacitance Range(μF)	Load Life	Main Application
E1	Super low ESR		-55°C~+105°C				
E2	Standard			2.5~25	10~3500	2000	
E4	125°C Standard		-55°C~+125°C				Computer and peripheral, Communication equipment & Fast charging field.
E5	Long life		-55°C~+105°C			5000	
H2	Standard	Radial	-55°C~+105°C	35~200	1.8~220	2000	
H4	High voltage & 125°C Guaranteed		-55°C~+125°C	35~200	1.8~220		
H5	High voltage & Long life		-55°C~+105°C	35~200	1.8~220	5000	
H6	High ripple current & Voltage; Low ESR			10~50	15~1000	2000	Automobile modules

厚膜电阻器
THICK FILM RESISTOR

Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
General 通用型	RC005	01005	1/32W	±1%;±2% ±5%;±10%	0Ω 1Ω~1MΩ	±200;±250 ±300;±400
	RC01	0201	1/20W	±0.5%;±1% ±2%;±5%;±10%	0Ω 1Ω~10MΩ	±200;±300 ±400
	RC02	0402	1/16W	±0.5%;±1% ±2%;±5%;±10%	0Ω 1Ω~10MΩ	±50;±100 ±200;±400
	RS03	0603	1/10W			
	RS05	0805	1/8W			
	RS06	1206	1/4W	±0.25% ±0.5% ±1% ±2% ±5% ±10%	0Ω 1Ω~10MΩ	±50 ±100 ±200 ±250
	RS1210	1210	1/3W			
	RS10	2010	3/4W			
	RC12	2512	1W			

厚膜电阻器
THICK FILM RESISTOR

Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Low TCR Low Ohmic 低TCR超低阻值 厚膜片式固定 电阻器	RL02	0402	1/16W;1/8W 1/6W		0.1Ω~1Ω	
	RL03	0603	1/10W;1/5W			
	RL05	0805	1/8W;1/4W	±1% ±2% ±3% ±5%	0.01Ω~1Ω	±100~±1200
	RL06	1206	1/4W;1/2W			
	RL1210	1210	1/3W;1/2W 3/4W			
	RL10	2010	3/4W;1W			
	RL12	2512	1W;2W			

厚膜电阻器
THICK FILM RESISTOR

Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
High Power 功率型厚膜 片式固定电阻器	RP03	0603	1/8W;1/5W			
	RP05	0805	1/4W			
	RP06	1206	1/2W	±1% ±2% ±5%	1Ω~22MΩ	±100 ±250 ±500
	RP1210	1210	1/2W			
	RP10	2010	1W			
	RP12	2512	2W		1MΩ~10MΩ	±100, ±250

厚膜电阻器
THICK FILM RESISTOR

Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Low- Ohmic 电流检测厚膜 片式固定电阻器	RB02	0402	1/16W;1/6W		0.1Ω~1Ω	
	RB03	0603	1/10W;1/8W 1/5W			
	RB05	0805	1/8W;1/4W	±1% ±2% ±3% ±5%	0.01Ω~1Ω	±400~±1500
	RB06	1206	1/4W;1/2W			
	RB1210	1210	1/3W;1/2W			
	RB10	2010	3/4W;1W			
	RB12	2512	1W; 2W			

厚膜电阻器
THICK FILM RESISTOR

Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Chip High Voltage 厚膜片式 高压电阻器	RV02	0402	1/16W		39KΩ~100MΩ	
	RV03	0603	1/10W		25KΩ~100MΩ	
	RV05	0805	1/8W	±1% ±5% ±10%	180KΩ~100MΩ	±100 ±200 ±250 ±400
	RV06	1206	1/4W		160KΩ~100MΩ	
	RV1210	1210	1/3W		120KΩ~100MΩ	
	RV10	2010	3/4W		54KΩ~100MΩ	
	RV12	2512	1W		40KΩ~100MΩ	

厚膜电阻器
THICK FILM RESISTOR



Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
High Ohmic 高阻值厚膜 片式固定电阻器	RC02	0402	1/16W	±1%;±5% ±10%;±20%	10MΩ~20MΩ	±500
	RS03	0603	1/10W			
	RS05	0805	1/8W	±1% ±5% ±10% ±20%	10MΩ~1GΩ	±500 ±2000
	RS06	1206	1/4W			
	RS1210	1210	1/3W			
	RS10	2010	3/4W			
	RS12	2512	1W			

厚膜电阻器
THICK FILM RESISTOR



Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Anti-Surge 抗浪涌厚膜 片式固定电阻器	RA02	0402	1/16W	±0.5% ±1% ±2% ±5%	1Ω~10MΩ	±100; ±200 ±250
	RA03	0603	1/5W			
	RA05	0805	1/4W			
	RA06	1206	1/3W;1/2W			
	RA1210	1210	1/2W			
	RA10	2010	3/4W			
	RA12	2512	1W			
	Anti-Sulfurated & Anti-Surge 抗硫化抗浪涌 厚膜片式固定 电阻器	RHA03	0603			
RHA05		0805	1/4W			
RHA06		1206	1/2W			

厚膜电阻器
THICK FILM RESISTOR



Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Non-magnetic 无磁厚膜片式 固定电阻器	RZ03	0603	1/10W	±0.5% ±1% ±2% ±5% ±10%	0Ω 1Ω~10MΩ	±100 ±250
	RZ05	0805	1/8W			
	RZ06	1206	1/4W			

厚膜电阻器
THICK FILM RESISTOR



Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)			
Anti-sulfurated 抗硫化厚膜 片式固定电阻器	RH01	0201	1/20W	±0.5% ±1% ±2% ±5% ±10%	0Ω 1Ω~10MΩ	±200;±400			
	RH02	0402	1/16W			±100;±200 ±400			
	RH03	0603	1/10W			±100 ±200 ±250			
	RH05	0805	1/8W						
	RH06	1206	1/4W						
	RH1210	1210	1/3W						
	RH10	2010	3/4W						
	RH12	2512	1W						
	Anti-sulfurated High Power 抗硫化功率型 厚膜片式固定 电阻器	RHP03	0603			1/8W;1/5W	±0.5% ±1% ±2% ±5%	1Ω~10MΩ	±100 ±250
		RHP05	0805			1/4W			
		RHP06	1206			1/2W			
		RHP1210	1210			1/2W			
RHP10		2010	1W						
RHP12		2512	2W						

厚膜电阻器
THICK FILM RESISTOR



Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Anti-sulfurated & Anti-silver 抗硫化抗银迁 移厚膜片式固 定电阻器	RHQ005	01005	1/32W	±1%;±2% ±5%;±10%	0Ω;10Ω~10MΩ	±200;±250
	RHQ01	0201	1/20W			±200;±400
	RHQ02	0402	1/16W			±0.5% ±1% ±5% ±10% ±20%
	RHQ03	0603	1/10W			
	RHQ05	0805	1/8W			
	RHQ06	1206	1/4W			
	RHQ1210	1210	1/3W			
	RHQ10	2010	3/4W			
	RHQ12	2512	1W			

厚膜电阻器
THICK FILM RESISTOR

Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Lead Free 无铅型厚膜片 式电阻器	RC01...G	0201	1/20W	±0.5% ±1% ±2% ±5% ±10%	0Ω 1Ω~10MΩ	±200
	RC02...G	0402	1/16W			±400
	RS03...G	0603	1/10W			
	RS05...G	0805	1/8W			
	RS06...G	1206	1/4W			
	RS1210...G	1210	1/3W			
	RS10...G	2010	3/4W			
	RC12...G	2512	1W			



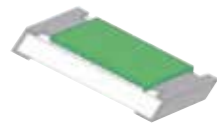
网络电阻器
NETWORK RESISTOR

Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Chip Network 片式网络电阻器	RC-MY	0201	1/32W	±0.5% ±1%	0Ω;10Ω~1MΩ	±100 ±200
	RC-MT	0402	1/16W	±2% ±5%	0Ω;1Ω~10MΩ	±250 ±400
	RC-ML	0603	1/16W	±10%		
Anti-sulfurated Network 抗硫化厚膜片 式网络电阻器	RH-MT	0402	1/16W	±0.5% ±1% ±2% ±5% ±10%	1Ω~10MΩ	±200 ±400 ±100 ±200 ±250
	RH-ML	0603	1/16W			
Lead Free Network 无铅厚膜片式 网络电阻器	RC-MT...G	0402	1/16W	±0.5% ±1% ±2% ±5% ±10%	1Ω~10MΩ	±200 ±400 ±100 ±200 ±250
	RC-ML...G	0603	1/16W			



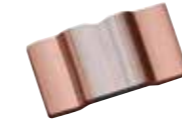
可调阻厚膜电阻器
TRIMMABLE THICK FILM

Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Trimmmable Thiack Film 可调阻厚膜片 式固定电阻器	RK02	0402	1/16W	-10%~0 -20%~0 -30%~0	1Ω~10MΩ	±200 ±400
	RK03	0603	1/10W			
	RK05	0805	1/8W			
	RK06	1206	1/4W			
	RK1210	1210	1/3W			
	RK10	2010	3/4W			
	RK12	2512	1W			



合金电阻器
METAL FOIL CHIP FIXED RESISTOR

Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Shunt Resistor 分流电阻器	MS2512	2512	2W;3W	±1% ±2% ±5%	0.0003Ω~0.005Ω	±75
	MS3921	3921	3W;5W		0.0002Ω~0.005Ω	±150 ±200
	MS5931	5931	5W;7W		0.0002Ω~0.003Ω	±250



网络电阻器
NETWORK RESISTOR

Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Network 厚膜网络电阻器	A~H,T	04~14	1/8W;1/4W	±1% ±2% ±5%	0Ω;1Ω~10MΩ	±100 ±250
High Voltage 厚膜高压电阻器	DHS DHHV	/	1W	±20%	100MΩ	±250



合金电阻器
METAL FOIL CHIP FIXED RESISTOR

Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Metal Foil 合金电阻器	MF03	0603	1/2W	±1% ±2% ±5%	0.005Ω~0.030Ω	
	MF05	0805	1/2W;3/4W		0.003Ω~0.047Ω	±50
	MF06	1206	1/2W;1W		0.003Ω~0.068Ω	±100 ±200
	MF10	2010	1W		0.003Ω~0.1Ω	
	MF12	2512	1W;2W		0.002Ω~0.2Ω	

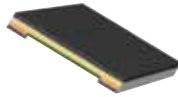


合金电阻器
METAL FOIL CHIP FIXED RESISTOR



Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Metal Foil Low Ohmic 合金超低阻值片式固定电阻器	MG06	1206	1/2W;1W	±1% ±2% ±5%	0.001Ω	±50 ±75 ±100 ±150 ±250
	MG12	2512	2W;3W		0.0005Ω~0.05Ω	
	MG2725	2725	4W		0.00025Ω~0.003Ω	
	MG2728	2728	4W		0.005Ω~0.033Ω	
	MG4527	4527	5W		0.001Ω~0.05Ω	

合金电阻器
METAL FOIL CHIP FIXED RESISTOR



Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Current Sensor Metal Resistor 电流检测合金电阻器	MI03	0603	1/4W	±1% ±2% ±5%	0.002Ω~0.005Ω	±100 ±150 ±200
	MI05	0805	1/2W		0.0015Ω~0.005Ω	
	MI06	1206	1W		0.002Ω~0.005Ω	

射频电阻器
RF-POWER RESISTOR



Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
RF-Power Resistor 射频电阻器	GRF1206	1206	12W	±5%	50Ω;100Ω	≤1.28 (6GHz)
	GRF2010	2010	20W		50Ω;100Ω	≤1.28 (4GHz)
	GTA2010	2010	30W		50Ω;100Ω	≤1.25 (4GHz) 30±1.0dB

汽车级电阻器
AUTOMOTIVE GRADE RESISTOR



Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Anti-sulfurated Wide Terminal 车规抗硫化宽边电极厚膜片式固定电阻器	AH0508	0508	1/3W	±1% ±2% ±3% ±5%	0.01~10MΩ	±100~±800
	AH0612	0612	1W			
	AH1225	1225	2W;3W			

汽车级电阻器
AUTOMOTIVE GRADE RESISTOR



Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Thick Film Automotive Grade	AB/AH01	0201	1/20W	±0.5% ±1% ±2% ±5% ±10%	0Ω,1Ω~10MΩ	±200,±400 ±100 ±250
	AB/AH02	0402	1/16W			
Antisulfurated Thick Film Automotive Grade	AB/AH03	0603	1/10W			
车规AB系列厚膜片式固定电阻器	AB/AH05	0805	1/8W			
	AB/AH06	1206	1/4W			
车规AB系列厚膜片式固定电阻器	AB/AH1210	1210	1/3W			
车规抗硫化厚膜片式固定电阻器	AB/AH10	2010	3/4W			
	AB/AH12	2512	1W			

汽车级电阻器
AUTOMOTIVE GRADE RESISTOR



Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Anti-sulfurated Low Ohmic 车规抗硫化超低阻厚膜片式固定电阻器	AH02	0402	1/16W;1/8W 1/6W	±1% ±2% ±3% ±5%	0.1Ω~1Ω	±200~ ±1200
	AH03	0603	1/10W;1/5W			
	AH05	0805	1/8W;1/4W			
	AH06	1206	1/4W;1/2W			
	AH1210	1210	1/3W;1/2W 3/4W			
	AH10	2010	3/4W;1W			
	AH12	2512	1W;1.5W 2W			

汽车级电阻器
AUTOMOTIVE GRADE RESISTOR



Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Thin Film Automotive Grade 车规薄膜片式固定电阻器	AT02	0402	1/16W	±0.1% ±0.25% ±0.5% ±1%	10Ω~30KΩ	±25 ±50
	AT03	0603	1/10W		10Ω~100KΩ	
	AT05	0805	1/8W		10Ω~100KΩ	
	AT06	1206	1/4W		10Ω~330KΩ	
	AT1210	1210	1/4W			
	AT10	2010	1/3W			
	AT12	2512	1/2W			

汽车级电阻器
AUTOMOTIVE GRADE RESISTOR



Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Metal Foil Automotive Grade 车规合金片式电阻器	AMF03	0603	1/4W;1/3W 1/2W	±1% ±2% ±5%	0.005Ω~0.02Ω	±50 ±100 ±200
	AMF05	0805	1/4W;1/3W 1/2W		0.003Ω~0.047Ω	
	AMF06	1206	1/2W;1W		0.003Ω~0.056Ω	
	AMF10	2010	1W		0.003Ω~0.1Ω	
	AMF12	2512	1W;2W		0.002Ω~0.2Ω	

片式压敏电阻器
MULTILAYER CHIP VARISTOR



Series	PN	Size	Varistor Voltage V@ 1mA DC	Tolerance	Maximum Clamping Voltage 8/20 μs (V)	Peak Current 8/20μs (A)
General Type 通用型 片式压敏	FPV1005G	0402	5~25	±10% ±15% ±20%	14~44	20
	FPV1608G	0603	5~42		14~74	30
	FPV2012G	0805	5~42		14~74	35~40
	FPV3216G	1206	5~86		14~151	35~40

薄膜片式电阻器
THIN FILM CHIP RESISTOR



Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
T-Series (General/High Power) T-系列 薄膜片式固定电阻器 (通用型/功率型)	T01	0201	1/32W	±0.5%; ±1%	49.9Ω~33KΩ	±25; ±50
	T02	0402	1/16W		10Ω~200KΩ	
	T03	0603	1/10W~1/16W	±0.01% ±0.05% ±0.1% ±0.25% ±0.5% ±1%	1Ω~750KΩ	±5 ±10 ±15 ±25 ±50
	T05	0805	1/8W~1/10W		1Ω~1.5MΩ	
	T06	1206	1/4W~1/8W		1Ω~2MΩ	
	T1210	1210	1/3W~1/4W		1Ω~1MΩ	
	T10	2010	1/2W~1/4W			
	T12	2512	1W~1/2W			

片式压敏电阻器
MULTILAYER CHIP VARISTOR



Series	PN	Size	Varistor Voltage V@ 1mA DC	Tolerance	Maximum Clamping Voltage 8/20 μs (V)	Peak Current 8/20μs (A)
High Energy Absorb Type 高耐能型 片式压敏	FPV2012E	0805	5~42	±10% ±15% ±20%	14~74	100~120
	FPV3216E	1206	5~86		14~151	120~150
	FPV3225E	1210	18~86		34~151	250~300
	FPV4532E	1812	18~86		34~151	500
	FPV5750E	2220	18~86		34~151	600
	FPV8063E	3225	18~470		35~827	100~400
	FPV1080E	4032	18~750		35~1320	250~1200

薄膜片式电阻器
THIN FILM CHIP RESISTOR



Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
TH-Series (General/High Power) TH-系列 薄膜片式固定电阻器 (通用型/功率型)	TH01	0201	1/32W	±0.05% ±0.1% ±0.25% ±0.5% ±1%	49.9Ω~33KΩ	±25; ±50
	TH02	0402	1/16W		10Ω~200KΩ	
	TH03	0603	1/10W~1/16W	±0.05% ±0.1% ±0.25% ±0.5% ±1%	1Ω~750KΩ	±5 ±10 ±15 ±25 ±50
	TH05	0805	1/8W~1/10W		1Ω~1.5MΩ	
	TH06	1206	1/4W~1/8W		1Ω~2MΩ	
	TH1210	1210	1/3W~1/4W		1Ω~1MΩ	
	TH10	2010	1/2W~1/4W			
	TH12	2512	1W~1/2W			

片式压敏电阻器
MULTILAYER CHIP VARISTOR



Series	PN	Size	Varistor Voltage V@ 1mA DC	Tolerance	Maximum Clamping Voltage 8/20 μs (V)	Peak Current 8/20μs (A)
High Speed Type 高速型 片式压敏	FPV1005S	0402	7~27	±10% ±15% ±20%	15~60	20
	FPV1608S	0603	7~88		15~194	20
	FPV2012S	0805	7~44		15~97	20
Ultra-low CAP Type 超低电容量 片式压敏	FPV1005S	0402	7~120	±20%	20~250	6
	FPV1608S	0603	7~120		20~250	6

片式压敏电阻器
MULTILAYER CHIP VARISTOR



Series	PN	Size	Varistor Voltage V@ 1mA DC	Tolerance	Maximum Clamping Voltage 8/20 μs (V)	Peak Current 8/20μs (A)
Super High Voltage Type 超高压型 片式压敏	FPV2016H	0806	240~430	±10%	360~650	50~100
	FPV3216H	1206	240~470		360~710	80~150
	FPV3225H	1210	240~470		360~710	150~200
	FPV4532H	1812	240~470		360~710	150~200
	FPV5750H	2220	240~470		360~710	400~500

片式压敏电阻器
MULTILAYER CHIP VARISTOR



Series	PN	Size	Varistor Voltage V@ 1mA DC	Tolerance	Maximum Clamping Voltage 8/20 μs (V)	Peak Current 8/20μs (A)
Automotive Grade	APV160808G	0603	22~45	±10% ±15% ±20%	39~79	20
GeneralType 车规级 通用型	APV201209G	0805	22~62		39~110	35
片式压敏	APV321611G	1206	22~62		39~110	35
Automotive Grade	APV201209E	0805	22~45	±10% ±15% ±20%	39~79	80~120
High Energy	APV321611E	1206	22~62		39~110	120~150
Absorb Type 车规级	APV322513E	1210	22~62		39~110	280
高耐能型 片式压敏	APV453215E	1812	22~62		39~110	500

车规级氧化锌压敏
电阻器

ZINC OXIDE VARISTOR FOR AUTOMOTIVE
ELECTRONICS



Part Number	Varistor Voltage V1m(V)	Maximum Operating Voltage AC(V) DC(V)	Maximum Clamping Voltage Vc(V) IP(A)	Maximum Withstanding Surge Current (8/20s) 1Times(A)	Maximum Energy (2ms) (J)	Rated Wattage (W)	Capacitance (Reference) (1KHz) (PF)
FNR-05K330	33(29.7~36.3)	20 26	73 1	100	0.8	0.01	900
FNR-07K330	33(29.7~36.3)	20 26	65 2.5	250	1.7	0.02	1500
FNR-14K621	620(558~682)	385 505	1025 50	6000	110	110	250

氧化锌压敏电阻器
ZINC OXIDE VARISTOR



Series	PN	Size	Varistor Voltage Range	Tolerance	Max Direct Current Working Voltage
General 防浪涌通用型	FNR-05K***	φ5	18V~560V	±10%	14V~460V
	FNR-07K***	φ7	18V~680V		14V~560V
	FNR-10K***	φ10	18V~1100V		14V~895V
	FNR-14K***	φ14	18V~1800V		14V~1465V
	FNR-20K***	φ20	18V~1800V		14V~1465V
	FNR-25K***	φ25	47V~1800V		38V~1465V
	FNR-32K***	φ32	47V~1800V		38V~1465V
	FNR-40K***	φ40	200V~1800V		170V~1465V

NTC热敏电阻器
NTC THERMISTOR



Series	PN	Size	Resistance @25°C (KΩ)	Tolerance	B Value B25/50 (K)	Tolerance
CMF Chip NTC Thermistor 片式NTC 热敏电阻器	CMFD	0402	10~680	±1% ±2% ±3% ±5%	3900~4200	±1% ±2% ±3%
	CMFA	0603	1~680		3200~4200	
	CMFB	0805	0.8~680		3200~4250	
	CMFC	1206	4.7~680		3450~4250	

NTC热敏电阻器
NTC THERMISTOR



Series	PN	Size	Resistance (25°C)	Max. Steady-current(A)
Surge-Arrestor 抑制浪涌电流 负温度系数热 敏电阻器	NTC*D-5	φ5	5Ω~20Ω	0.3~1
	NTC*D-7	φ7	5Ω~22Ω	0.6~2
	NTC*D-9	φ9	2.5Ω~300Ω	0.5~4
	NTC*D-11	φ11	2.5Ω~50Ω	1.5~5
	NTC*D-13	φ13	2.5Ω~16Ω	3~6
	NTC*D-15	φ15	3Ω~47Ω	3~7
NTC*D-20	φ20	3Ω~16Ω	5~8	

03 电感器 INDUCTOR

片式电感器

CHIP INDUCTOR



Series	PN	Size	Inductance (nH)	Tolerance	IDC(mA)	RDC(Ω)
CMP Ferrite Power Inductor 铁氧体功率电感器	CMP1608	1608	47~12000	$\pm 20\%$	60~150	0.12~1.25
	CMP2012	2012	47~22000		50~1100	0.10~0.75
	CMP2520	2520	1000~4700		1000~1500	0.12~0.26
	CMP3216	3216	47~27000		50~1200	0.15~1.00

片式电感器

CHIP INDUCTOR



Series	PN	Size	Inductance (nH)	Tolerance	IDC(mA)	RDC(Ω)
CMH Ferrite Power Inductor 铁氧体功率电感器	CMH1608	1608	470~2200	$\pm 20\%$	750~1050	0.10~0.24
	CMH2012	2012	1000~4700		180~1150	0.11~0.30
	CMH2016	2016	470~4700		1100~1500	0.08~0.26
	CMH2520	2520	1000~5600		180~1600	0.06~0.22

片式电感器

CHIP INDUCTOR



Series	PN	Size	Inductance (nH)	Tolerance	IDC(mA)	RDC(Ω)
VHF High Frequency 高频电感	VHF0402	0402	0.2~20	$\pm 0.1\text{nH}$ $\pm 0.2\text{nH}$ $\pm 0.3\text{nH}$ $\pm 3\%$ $\pm 5\%$	0.12~0.32	0.4~4.5
	VHF0603	0603	0.6~120		50~1000	0.05~7.0
	VHF1005	1005	1.0~360		50~1000	0.06~7.0
	VHF1608	1608	1.0~470	$\pm 0.3\text{nH}$ $\pm 5\%$	150~500	0.05~3.6
	VHF2012	2012	1.5~470	$\pm 0.3\text{nH}$ $\pm 5\%$	300~500	0.10~2.0



AHF Automotive Grade High Frequency 车规级高频电感器	AHF100505HQ	1005	1.0~360nH@100MHz	$\pm 0.1\text{nH}; \pm 2\%$ $\pm 0.2\text{nH}; \pm 3\%$ $\pm 0.3\text{nH}; \pm 5\%$	50~400	0.10~7.5
	AHF160808H	1608	1.0~470nH@100MHz		$\pm 0.3\text{nH}$ $\pm 5\%$	150~500



AMI Automotive Grade Ferrite Inductor 车规级铁氧体电感器	AMI160808	1608	47~3900	$\pm 10\%$ $\pm 20\%$	15~50	0.20~1.30
	AMI201209	2012	47~12000		15~300	0.15~1.15
	AMI321609	3216	47~12000		15~300	0.15~0.90

片式电感器
CHIP INDUCTOR



Series	PN	Size	Inductance (nH)	Tolerance	IDC(mA)	RDC(Ω)
CMI Ferrite Inductor 铁氧体电感器	CMI1005	1005	47~1800	±10%	18~25	0.45~1.80
	CMI1608	1608	47~22000		1~50	0.20~3.00
	CMI2012	2012	47~68000		5~300	0.15~2.60
	CMI3216	3216	47~100000		5~300	0.15~3.00
	CMI3225	3225	1000~120000		150~600	0.20~1.80
	CMI4532	4532	1000~120000		150~650	0.55~2.50

片式铁氧体磁珠
CHIP FERRITE BEADS



Series	PN	Size	Impedance(Ω) @ 100MHz	Tolerance	IDC(mA)	RDC(Ω)
CBY Ferrite Peak Beads 铁氧体尖峰磁珠	CBY1005	1005	1~1800	±25%	100~500	0.30~1.20
	CBY1608	1608	0~600		200~600	0.10~0.60
	CBY2012	2012	0~600		400~600	0.15~0.40
	CBY3216	3216	0~800		300~500	0.10~0.40

片式铁氧体磁珠
CHIP FERRITE BEADS



Series	PN	Size	Impedance(Ω) @ 100MHz	Tolerance	IDC(mA)	RDC(Ω)
CBH Ferrite High R Beads 铁氧体低频高阻磁珠	CBH1608	1608	80~1200	±25%	100~500	0.15~0.90
	CBH2012	2012	80~1200		100~400	0.15~0.60
	CBH3216	3216	26~800		200~1000	0.10~0.50

片式铁氧体磁珠
CHIP FERRITE BEADS



Series	PN	Size	Impedance(Ω) @ 100MHz	Tolerance	IDC(mA)	RDC(Ω)
CBW Large Current Beads 大电流磁珠	CBW0603	0603	10~1000	±25%	200~1000	0.05~1.25
	CBW1005	1005	0~1000		200~800	0.04~1.00
	CBW1608	1608	0~2500		400~1000	0.08~0.90
	CBW2012	2012	0~2500		100~3000	0.03~0.60
	CBW3216	3216	0~3000		200~4000	0.04~0.90
	CBW3225	3225	0~1000		2000~5000	0.05~0.30
	CBW4516	4516	19~600		1000~6000	0.015~0.30
	CBW4532	4532	30~600		1000~5000	0.06~0.25

片式铁氧体磁珠
CHIP FERRITE BEADS



Series	PN	Size	Impedance(Ω) @ 100MHz	Tolerance	IDC(mA)	RDC(Ω)
CBG Beads 通用型磁珠	CBG0603	0603	10~1000	±25%	100~500	0.10~2.50
	CBG1005	1005	0~1200		100~500	0.10~1.30
	CBG1608	1608	0~2500		50~800	0.10~1.30
	CBG2012	2012	0~2700		30~900	0.08~1.40
	CBG3216	3216	0~3000		30~1000	0.10~1.50
	CBG3225	3225	10~1000		300~1000	0.10~0.40
	CBG4516	4516	19~800		200~1000	0.10~0.55
	CBG4532	4532	30~600		200~1000	0.15~0.40

片式铁氧体磁珠
CHIP FERRITE BEADS



Series	PN	Size	Impedance(Ω) @ 100MHz	Tolerance	IDC(mA)	RDC(Ω)
CBM Ferrite Ultra-High Current Beads 铁氧体超大电流磁珠	CBM0603	0603	22~120	±25%	900~1000	0.04~0.16
	CBM1005	1005	0~1000		300~1800	0.05~0.65
	CBM1608	1608	0~1000		600~6000	0.02~0.40
	CBM2012	2012	0~1000		1500~6000	0.01~0.12
	CBM3216	3216	0~1000		2000~6000	0.01~0.12
	CBM4516	4516	0~80		3000~6000	0.01~0.025
	CBM4532	4532	0~220		6000	0.01~0.02

片式铁氧体磁珠
CHIP FERRITE BEADS



Series	PN	Size	Impedance(Ω) @ 100MHz	Tolerance	IDC(mA)	RDC(Ω)
ABW Automotive Grade Large Current Beads 车规级大电流型磁珠	ABW100505U	1005	0~1000	±25%	200~800	0.04~1.00
	ABW160808U	1608	7~1000		500~1000	0.08~0.55
	ABW201209U	2012	0~1500		300~3000	0.03~0.50
	ABW321609U	3216	0~1500		500~4000	0.04~0.45
ABM Automotive Grade Ultra-high Current Beads 车规级超大电流型磁珠	ABM100505U	1005	0~1000	±25%	300~1800	0.05~0.65
	ABM160808U	1608	7~1000		600~6000	0.02~0.40
	ABM201209U	2012	0~1000		1500~6000	0.01~0.12
	ABM321609U	3216	0~1000		2000~6000	0.01~0.12

片式铁氧体磁珠
CHIP FERRITE BEADS



Series	PN	Size	Impedance(Ω) @ 100MHz	Tolerance	IDC(mA)	RDC(Ω)
CBU Ferrite Ultra-High Current Beads 铁氧体 特大电流磁珠	CBU1608	1608	60~1000	±25%	1000~3500	0.025~0.30
	CBU2012	2012	80~1000		2000~3500	0.025~0.18

功率电感器
POWER INDUCTOR



Series	PN	Size	Inductance (nH)	Tolerance	IDC(mA)	RDC(Ω)
FHW Wire Wound Ceramic 陶瓷体绕 线电感器	FHW0402	0402	1.0~120	±2% ±5% ±10%	30~1360	0.045~2.20
	FHW0603	0603	1.6~470		75~700	0.04~7.00
	FHW0805	0805	2.2~2200		150~800	0.03~4.20
	FHW1008	1008	3.9~10000		160~1000	0.035~9.10
	FHW1210	1210	3.9~10000		200~1000	0.05~6.80

功率电感器
POWER INDUCTOR



Series	PN	Size	Common Mode Impedance @ 100MHz(Ω)	Tolerance	IDC(mA)	RDC(Ω)
Common Mode Filter 共模滤波器	CMC0805	0805	67~900	±25%	150~400	0.25~0.90
	CMC1206	1206	90~2200		200~370	0.3~1.20

功率电感器
POWER INDUCTOR



Series	PN	Size	Inductance (nH)	Tolerance	IDC(mA)	RDC(Ω)
FHW Wire Wound Ferrite 铁氧体绕 线电感器	FHW0402	0402	20~560	±5% ±10%	300~2200	0.28~0.90
	FHW0603	0603	47~4700		80~1000	0.1~4.00
	FHW0805	0805	120~22000		80~800	0.2~6.00
	FHW1008	1008	120~220000		20~800	0.15~18.00
	FHW1210	1210	120~560000		30~450	0.2~28.00
	FHW1812	1812	330~1000000		90~1000	0.13~16.50

功率电感器
POWER INDUCTOR



Series	PN	Size	Inductance (μH)	Tolerance	IDC(A)	RDC(Ω)
MRS Series Power Inductor (Shielded) 功率电感器 (屏蔽型)	MRS2010	2.1×1.7×1.0	0.24~10	±20% ±30%	0.65~3.00	0.040~0.826
	MRS2512	2.5×2.0×1.2	0.24~10		0.85~4.05	0.023~0.480

功率电感器
POWER INDUCTOR



Series	PN	Size	Inductance (μH)	Tolerance	IDC(A)	RDC(Ω)
PIO Series Power Inductor (Non-Shielded) 功率电感器 (开放型)	PIO43	4.5×4.0×3.2	1.0~220	±10% ±20% ±30%	0.27~3.50	0.045~2.460
	PIO54	5.8×5.2×4.5	1.0~1000		0.15~3.20	0.025~5.500
	PIO75	7.8×7.0×5.0	1.0~2200		0.15~5.80	0.015~8.300

功率电感器
POWER INDUCTOR



Series	PN	Size	Inductance (μH)	Tolerance	IDC(A)	RDC(Ω)
HA Series Power Inductor (Shielded) 功率电感器 (屏蔽型)	HA0420	4.9×4.4×2.0	0.22~10	±20%	1.50~9.00	0.008~0.230
	HA0520	5.9×5.3×2.2	1.00~10		1.98~7.00	0.020~0.190
	HA0530	5.9×5.3×3.2	0.68~22		1.08~9.00	0.012~0.250
	HA0630	7.6×7.0×3.2	0.33~47		1.00~21.00	0.004~0.390
	HA0650	7.6×7.0×5.2	1.00~100		1.20~12.00	0.0075~0.440
	HA1040	11.5×10.5×4.2	0.22~100		0.90~29.50	0.002~0.300
	HA1050	11.5×10.5×5.2	0.82~47		3.00~16.00	0.0035~0.145
	HA1250	14.5×13.5×5.2	0.33~68		1.50~32.00	0.0015~0.210
	HA1265	14.5×13.5×6.5	1.00~150		1.60~25.00	0.003~0.280

功率电感器
POWER INDUCTOR



Series	PN	Size	Inductance (μH)	Tolerance	IDC(A)	RDC(Ω)
PRS Series Power Inductor (Shielded) 功率电感器 (屏蔽型)	PRS2512	2.5×2.1×1.25	0.33~10	±20% ±30%	0.62~3.35	0.049~0.690
	PRS3015	3.0×3.0×1.5	1.00~47		0.35~2.35	0.036~1.608
	PRS4018	4.0×4.0×1.8	1.00~100		0.25~2.00	0.036~1.950
	PRS4020	4.0×4.0×2.0	1.00~100		0.31~2.15	0.0377~2.015
	PRS5020	5.0×5.0×2.0	1.00~100		0.53~3.80	0.026~1.430
	PRS5040	5.0×5.0×4.0	1.00~1000		0.19~4.90	0.0156~8.450
	PRS6020	6.0×6.0×2.0	1.00~100		0.45~3.50	0.026~1.560
	PRS6028	6.0×6.0×2.8	1.00~680		0.23~5.20	0.0182~5.980
	PRS6045	6.0×6.0×4.5	0.82~1000		0.20~5.90	0.0104~5.850
	PRS8040	8.0×8.0×4.0	6.80~1500		0.26~3.70	0.0325~5.590
ARS Automotive Grade(Shielded) 车规级(屏蔽)	ARS4018	4.0×4.0×1.8	1.00~100	±20% ±30%	0.25~2.00	0.036~1.95
	ARS6045	6.0×6.0×4.5	1.00~100		0.80~5.14	0.0182~0.650

功率电感器
POWER INDUCTOR

Series	PN	Size	Inductance (μH)	Tolerance	IDC(A)	RDC(Ω)
MS Series Power Inductor (Shielded) 功率电感器 (屏蔽型)	MS73	7.3×7.3×3.2	1.0~1000	±20% ±30%	0.16~3.60	0.025~9.440
	MS74	7.3×7.3×4.2	1.0~1000		0.18~6.00	0.022~6.000
	MS124	12.2×12.2×4.5	1.0~470		0.40~12.0	0.008~1.300
	MS125	12.2×12.2×5.7	1.3~10000		0.12~8.00	0.012~20.000
	MS127	12.2×12.2×7.5	1.0~2200		0.30~9.80	0.007~2.950
	MS103R	10.2×10.0×3.1	1.5~220		0.75~7.00	0.018~1.760
	MS104R	10.2×10.0×4.0	1.0~1000		0.32~10.0	0.014~5.110
	MS105R	10.2×10.0×5.1	1.5~4700		0.20~10.5	0.011~7.500

立式固定电感器
VERTICAL FIXED INDUCTOR

Series	PN	Size	Inductance (μH)	Tolerance	IDC(mA)	RDC(Ω)
VLU Vertical Fixed UL套管 立式电感器	VLU0406	5.5×8.5	1~1000	±5% ±10% ±20%	150~3000	0.025~9.00
	VLU0507	6.5×8.5	1~2000		180~2000	0.03~10.00
	VLU0608	8.0×11.0	1~10000		40~4000	0.015~40.00
	VLU0810	10.0×12.5	1~10000		100~8500	0.013~19.00
	VLU0912	10.5×14.5	1~15000		100~5200	0.015~17.50
	VLU1010	12.0×12.5	1~6800		200~6100	0.0165~9.80
	VLU1012	12.0×14.5	1~2200		350~5500	0.02~3.50
	VLU1215	14.5×16.5	10~2200		700~9800	0.025~2.50
	VLU1415	16.5×17.0	22~330		1000~8000	0.130~5.20

立式固定电感器
VERTICAL FIXED INDUCTOR

Series	PN	Size	Inductance (μH)	Tolerance	IDC(mA)	RDC(Ω)
VLP Shielded I-shaped 磁屏蔽 立式电感器	VLP1009	10.5×10.0	10~500	±10% ±15% ±20%	450~3000	0.036~1.20
	VLP1012	11.0×13.5	10~500		450~3000	0.036~1.20
	VLP1014	11.0×15.0	10~500		450~3000	0.036~1.20
	VLP1212	13.0×13.5	10~500		450~3000	0.036~1.20

立式固定电感器
VERTICAL FIXED INDUCTOR

Series	PN	Size	Inductance (μH)	Tolerance	IDC(mA)	RDC(Ω)
LGA Color Code Inductor 色码电感器	LGA0204	2.3×4.2	0.22~220	±10% ±15% ±20%	35~400	0.4~20.0
	LGA0307	2.8×7.0	0.22~1000		40~400	0.4~33.0
	LGA0410	4.0×10.5	0.22~4700		55~1400	0.1~74.0
	LGA0510	5.0×10.5	47~10000		25~340	1.22~105.0

穿芯电感器 (磁珠)
BEAD CORE INDUCTOR

Series	PN	Size	Impedance(Ω) @25MHz	Impedance(Ω) @100MHz
RH Type Bead Core Inductor RH型穿芯电感器 (穿线磁珠)	RH3.5×0.8×4.7	3.5×0.8×4.7	30	50
	RH3.5×0.8×6.0	3.5×0.8×6.0	40	70
	RH3.5×0.8×9.0	3.5×0.8×9.0	60	100
	RH3.5×1.0×12.0	3.5×1.0×12.0	80	120

磁环电感器
TOROIDAL COILS

Series	PN	Size	Inductance (μH)	Tolerance	IDC(mA)	RDC(Ω)
Toroidal Coils 磁环电感器	TC04~38	04~38	1.0~10000	±20% ±30%	100~10000	<10

磁棒电感器
MAGNETIC ROD COIL

Series	PN	Size	Inductance (μH)	Tolerance	IDC(mA)	RDC(Ω)		
Magnetic Rod Coil 磁棒电感器	DL2510	4.5×10	1.0~3.3	±10% ±20% ±30%	1000~2500	<0.03		
	DL0306	5.5×6	1.0~7.0		1000~3500	<0.04		
	DL0308	5.5×8						
	DL0310	5.5×10						
	DL0312	5.5×12	0.5~6.5				1000~4000	<0.05
	DL0315	5.5×15						
	DL0317	5.5×17	7.5×12				1000~4500	<0.06
	DL0322	5.5×22						
	DL0415	6.5×15	7.5×20				1000~5000	<0.07
	DL0420	6.5×20						
	DL0425	6.5×25	8.5×20				1000~5000	<0.07
	DL0512	7.5×12						
	DL0520	7.5×20	8.5×25				1000~5000	<0.07
	DL0525	7.5×25						
DL0620	8.5×20	1.0~15.0	1000~5000	<0.07				
DL0625	8.5×25							

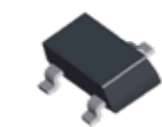
04 半导体及其它 SEMICONDUCTOR & OTHER

电源管理IC POWER MANAGEMENT IC

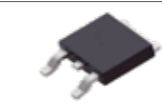


Packing	PN
SOT-23 IC	FH431
SOT-223 IC	FH1117
SOT-89 IC	FH1117 FH431 FH78L05 FH78L08 FH78L09 FH78L10 FH78L12 FH79L05 FH79L09

三极管 TRANSISTORS



Packing	PN			
SOT-23 Transistors 三极管	FHR2216	FHT1015	FHT817	FHT9018
	FHRA101	FHT1623	FHT846	FHT945
	FHRA105	FHT1815	FHT847	FHTA06
	FHRA106	FHT2712	FHT8550	FHTA42
	FHRC101	FHT3356	FHT857	FHTA44
	FHRC102	FHT5401	FHT9012	FHTA8050
	FHRC103	FHT5551	FHT9013	FHTA8550
	FHRC105	FHT8050	FHT9014	FHTA92
	FHRC106	FHT807	FHT9015	FHTH10
				FHTL8050
			FHTL8550	



TO-252 Transistors 三极管	FHT772P	FHT882P		
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STO-89 Transistors 三极管	FHB772	FHBCX56	FHD882	FHR8550
	FHBCX53	FHD3205P	FHR8050	FHT2383
				FHT5551




SOT-223 Transistors 三极管	FHBCP53	FHBCP56		
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二极管 DIODES





Packing	PN		
SOD-323 Diodes 二极管	FH1N4148WS		
SOD-123 Diodes 二极管	FH1N4148W	FH1N5819W	
SOD-123FL Diodes 二极管	FH1N4004W	FH1N4007W	FH1N4148W

二极管 DIODES	Packing	PN			
	SOT-23 Diodes 二极管	FHD16 FHD56 FHD70 FHD99 FHD181 FHD184	FHD193 FHD202 FHD204 FHD217 FHD226 FHD4148 FHD7000	FHDS21 FHBAS40 FHBAS40-04 FHBAS40-06 FHBAT54	FHBAT54A FHBAT54C FHBAT54S FHBAS70 FHV804
	DO-214 Diodes 二极管	FH1N4001 FH1N4002 FH1N4004	FH1N4007 FH1N4011	FH1SMA4739 FH1SMA4742 FH1SMA4747	FH1N5819 FH1N5822
	LL-34 Diodes 二极管	FHLL4148	FHZ2V4 FHZ10V	FHZ12V FHZ15V	FHZ18V
	SOT-23 MOSFET 场效应管	FHK2301 FHK3401 FHK7002K	FHK2302 FHK3400 FHK3407		

NTC传感器 NTC Sensor	Product Name	Series	R25(KΩ)	Tolerance of Resistance	B(25/50°C)K	Tolerance of B Value
	NTC Sensor NTC传感器	CWF	2~500	±1% ±2% ±3% ±5% ±10%	3200~4260	±1% ±2% ±3% ±5%

PTC热敏电阻器 PTC THERMISTOR	Series	PN	Size	Resistance	Working Voltage
	Starter Type 马达启动型	MZ9	A/B/C	33Ω~200Ω	220V~380V
	Delay-Time Type 延时启动型	MZ3	φ3~φ9	100Ω~4000Ω	270V~1000V
	Current-Limited 限流型	MZ2	φ7~φ20	4.7Ω~200Ω	110V~270V

厚膜集成电路 HYBRID CIRCUIT	Product Class	Characteristics	Application
	PFR For Fuel Level Sensor 油表电路	1. Operating Temp. Range:-40°C~ + 85°C 2. Sheet material:96%AL ₂ O ₃ 3. Conductor material: Ag/Pd, strong adhesion 4. Wear life: When bronze slide on the conductor(pressure is 0.25±0.05N), the resistance can be filled after 200million cycle (in the air) or 500 million cycle(dip in gasoline or diesel oil) 5. Resistance tolerance:±1% or 0.5Ω 6. Temperature coefficient(TCR):±250ppm/°C	Automobile and Motorcycle Oil Sensor
	Automobile Voltage Regulator JFT151/JFT251 汽车电子调节器	Minor, light-weight, Free operation, Reliable function and so on.	Adapted to The Automobile Which The Market Voltage is 12V or 24V

厚膜集成电路 HYBRID CIRCUIT	Product Class	Characteristics	Application
	HIC For Functional Circuit 厚膜功能电路	1. High Integration 2. Circuit Design Flexibility 3. Operating Temperature Range:-40°C~ + 85°C 4. Substrate Material:96%AL ₂ O ₃ 5. Conductor Material: Ag/Pt, strong adhesion, good weld ability 6. Temperature Coefficient(TCR):±250ppm/°C	1. Automotive Electronics 2. Industrial Control Circuit 3. Switching Power Supply 4. Testing/Measurement Equipment 5. Communication Device 6. House hold Electrical
	Relay Interface Circuit DH88632 中断接口电路	1. No Transformer Two To Four Buses Transformation 2. Consumer Closed Loop Continuous Current Feed 3. Three Component Impedance 4. Ringer Measuring 5. Polar Measuring 6. Relay Drive 7. Continuous Current Load	1. Program-controlled Consumer, Digital Exchange 2. Ring Telephone System