

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			

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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			
	RB06	1206	1/4W;1/2W	±1% ±2% ±3% ±5%	0.01Ω~1Ω	±400~±1500
	RB1210	1210	1/3W;1/2W			
	RB10	2010	3/4W;1W			
	RB12	2512	1W; 2W			

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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			

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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

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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	

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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			

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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 ±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			

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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			

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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			±0.5% ±1% ±2% ±5% ±10%	1Ω~10MΩ	±100 ±200 ±250			
	RH05	0805	1/8W								
	RH06	1206	1/4W								
	RH1210	1210	1/3W								
	RH10	2010	3/4W								
	RH12	2512	1W								
	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									

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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%	0Ω 1Ω~10MΩ	±100 ±200
	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

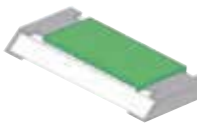
NETWORK RESISTOR



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



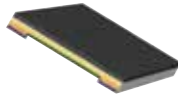
Series	PN	Size	Power	Tolerance	Resistance	T.C.R (ppm/°C)
Metal Foil 合金电阻器	MF03	0603	1/2W	±1% ±2% ±5%	0.005Ω~0.030Ω	
	MF05	0805	1/2W;3/4W		0.003Ω~0.047Ω	±50
	MF06	1206	1/2W;1W		0.003Ω~0.068Ω	±100 ±200
	MF10	2010	1W		0.003Ω~0.1Ω	
	MF12	2512	1W;2W		0.002Ω~0.2Ω	

**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	±5%	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	±0.5% ±1% ±2% ±5% ±10%	0Ω,1Ω~10MΩ	±100 ±250
	AB/AH05	0805	1/8W			
车规AB系列厚膜 片式固定电阻器	AB/AH06	1206	1/4W	±0.5% ±1% ±2% ±5% ±10%	0Ω,1Ω~10MΩ	±100 ±250
	AB/AH1210	1210	1/3W			
车规抗硫化厚膜 片式固定电阻器	AB/AH10	2010	3/4W	±0.5% ±1% ±2% ±5% ±10%	0Ω,1Ω~10MΩ	±100 ±250
	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~100KΩ	
	AT1210	1210	1/4W		10Ω~330KΩ	
	AT10	2010	1/3W		10Ω~330KΩ	
AT12	2512	1/2W	10Ω~330KΩ			

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	±0.5%; ±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 GeneralType 车规级 通用型 片式压敏	APV160808G	0603	22~45	±10% ±15% ±20%	39~79	20
	APV201209G	0805	22~62		39~110	35
	APV321611G	1206	22~62		39~110	35
Automotive Grade High Energy Absorb Type 车规级 高耐能型 片式压敏	APV201209E	0805	22~45	±10% ±15% ±20%	39~79	80~120
	APV321611E	1206	22~62		39~110	120~150
	APV322513E	1210	22~62		39~110	280
	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	
	CMFA	0603	1~680		3200~4200	±1%
	CMFB	0805	0.8~680		3200~4250	±2%
	CMFC	1206	4.7~680		3450~4250	±3%

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	