

电阻器

电阻器尺寸一览表(分流电阻器)	P.226
分流电阻器	P.228
通用电阻器	P.241

电阻器尺寸一览表(厚膜贴片电阻器)	P.227
高可靠性电阻器	P.236
标准公称阻值等	P.246

电阻器尺寸一览表

分流电阻器

大功率金属板分流电阻器产品阵容

Size mm (inch)	Part No.	Terminal type Wide Terminal	Attached type Reverse Attached	Specification General-purpose Ultra-low resistance High Power	Resistance Range (mΩ)	Rated Power (W) (Rated Terminal Temperature)	Printing Page
5025 (2010)	GMR50			✓	5 to 220	4 (90°C), 3 (110°C)	P.230
6432 (2512)	PSR100			✓	☆0.2	12 (120°C)	P.228
					0.3, 0.5, 1	8 (75°C), 4 (140°C)	
					2	6 (75°C), 4 (140°C)	
6464 (2525)	☆PSR330			✓	3	4 (75°C), 3 (140°C)	P.228
					5 to 220	7 (70°C), 5 (110°C)	
					0.1	15 (120°C)	
7142 (2817)	GMR320			✓	0.5	8 (100°C)	P.228
7.9x5.6 (3222)	New PSR350			✓	1	6 (100°C)	P.229
10x5.2 (3921)	PSR400			✓	5 to 100	10 (70°C), 7 (110°C)	P.228
					0.27	12 (120°C)	
					0.2	12 (75°C), 5 (130°C)	
					0.3, 0.5	10 (75°C), 5 (130°C)	
15x7.75 (5931)	PSR500			✓	1	8 (75°C), 5 (130°C)	P.228
					2	6 (75°C), 4 (115°C)	
					3	5 (70°C), 3 (115°C)	
					0.1, 0.2	15 (75°C), 10 (120°C)	
					0.3, 0.4, 0.5	10 (75°C), 7 (120°C)	
					1	10 (75°C), 6 (120°C)	
					2	7 (70°C), 4 (115°C)	

☆:开发中

金属板分流电阻器产品阵容

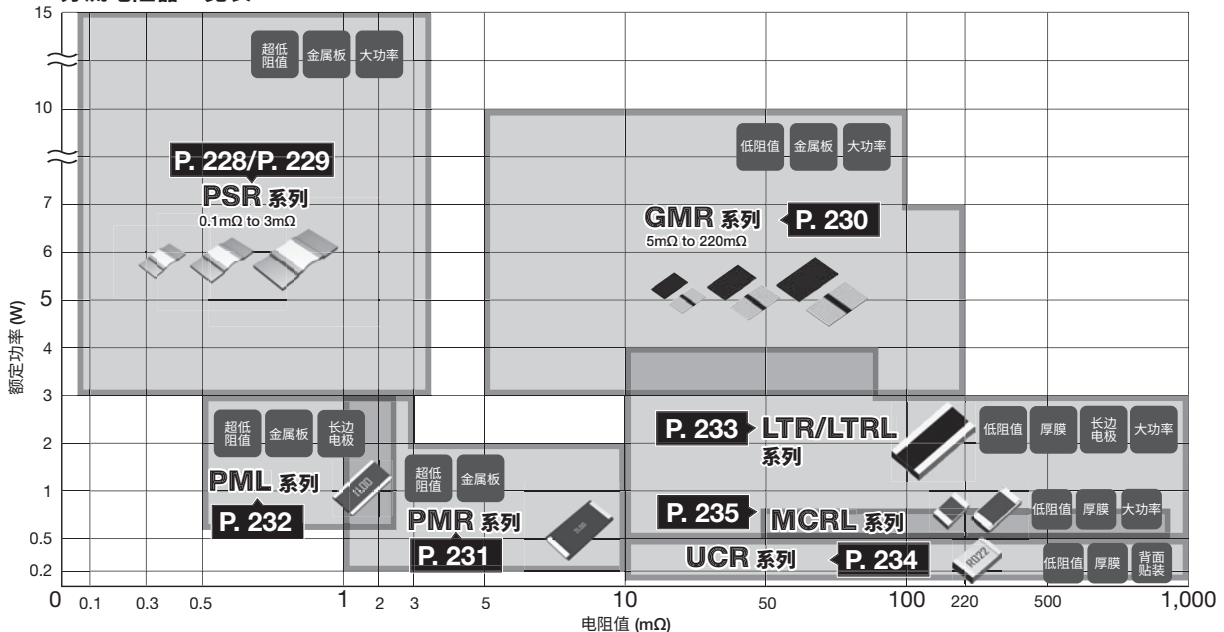
Size mm (inch)	Part No.	Terminal type Wide Terminal	Attached type Reverse Attached	Specification General-purpose Ultra-low resistance High Power	Resistance Range (mΩ)	Rated Power (W)	Printing Page
1005 (0402)	PMR01			✓	10	0.2	P.231
1608 (0603)	PMR03			✓	10	0.25	P.231
2012 (0805)	PMR10			✓	2	1	P.231
1220 (0508)	PML10	✓		✓	3 to 10	0.5	P.232
3216 (1206)	PMR18			✓	1, 2	1.5	P.231
1632 (0612)	PML18	✓		✓	3 to 10	1	P.232
3225 (1210)	PMR25			✓	0.5 to 2.5	1	P.232
5025 (2010)	PMR50			✓	1	2	P.231
2550 (1020)	PML50	✓		✓	2 to 5	1	P.231
6432 (2512)	PMR100			✓	1, 2	2	P.232
3264 (1225)	PML100	✓		✓	3 to 10	2	P.231
					0.5	2	P.232
					1 to 2.2	3 (25°C), 2 (70°C)	P.232

厚膜分流电阻器产品阵容

Size mm (inch)	Part No.	Terminal type Wide Terminal	Attached type Reverse Attached	Specification General-purpose Ultra-low resistance High Power	Resistance Range (mΩ)	Rated Power (W)	Printing Page
0603 (0201)	UCR006		✓		100 to 910	0.1	P.234
1005 (0402)	UCR01		✓		68 to 910	0.125	P.234
1608 (0603)	UCR03		✓		20 to 200	0.25	P.234
					220 to 910	0.2	
2012 (0805)	UCR10		✓		11 to 100	0.33	P.234
	New MCR10L			✓	47 to 910	0.5	P.235
1220 (0508)	New LTR10L	✓		✓	33 to 910	1	P.233
3216 (1206)	UCR18		✓		11 to 39	1	P.234
					43 to 100	0.5	
	New MCR18L			✓	47 to 910	0.75	P.235
1632 (0612)	LTR18	✓		✓	10 to 1000	New 1.5	P.233
2550 (1020)	LTR50	✓		✓	10 to 910	2	P.233
	LTR100L	✓		✓	10 to 91	4	P.233
3264 (1225)	LTR100	✓		✓	100 to 910	2/☆3	P.233

☆:开发中

分流电阻器一览表



电阻器尺寸一览表

厚膜贴片电阻器(通用型／高可靠型)

厚膜贴片电阻器(通用型／高可靠型)产品阵容

Size mm (inch)	Part No.	RASMID™ package	Terminal type Wide Terminal	Specification						Resistance Range (Ω)	Rated Power (W)	Printing Page
				General- purpose	Tolerance for Sulfurization	Anti-surge	High Anti-surge	High Power	High Voltage Resistance			
03015 (009005)	SMR003	✓								10 to 1M	0.02	P.245
0402 (01005)	MCR004			✓						1 to 3M	0.031 (1/32)	P.242
0603 (0201)	MCR006			✓						1 to 10M	0.05	P.242
1005 (0402)	ESR01					✓				1 to 10M	0.2	P.236
	SFR01				✓					1 to 10M	0.063 (1/16)	P.240
	MCR01S			✓				✓		1 to 10M	0.1	P.241
	MCR01			✓						1 to 10M	0.063 (1/16)	P.242
1608 (0603)	SDR03						✓			1 to 10M	0.3/ New 0.33 (1/3)/☆0.4	P.236
	ESR03					✓				1 to 10M	0.25/☆0.33 (1/3)	P.236
	KTR03								✓	1 to 10M	0.1	P.239
	SFR03				✓					1 to 10M	0.1	P.240
	MCR03S			✓				✓		1 to 10M	0.125	P.241
	MCR03			✓						1 to 10M	0.1	P.242
2012 (0805)	SDR10						✓			1 to 10M	0.5/☆0.66 (2/3)	P.236
	ESR10					✓				1 to 10M	0.4/☆0.5	P.236
	KTR10								✓	1 to 30M	0.125	P.239
	SFR10				✓					1 to 10M	0.125	P.240
	MCR10S			✓				✓		1 to 10M	0.25	P.241
	MCR10			✓						10 to 2.2M	0.125	P.242
										1 to 10M	0.1	
1220 (0508)	LTR10		✓			✓		✓		1 to 976	New 1	P.238
										1k to 1M	0.25	
3216 (1206)	ESR18					✓				1 to 10M	0.5/☆0.66 (2/3)	P.236
	KTR18								✓	1 to 10M	0.25	P.239
	SFR18				✓					1 to 10M	0.25	P.240
	MCR18S			✓				✓		1 to 10M	0.4	P.241
	MCR18			✓						10 to 2.2M	0.25	P.242
										1 to 10M	0.125	
1632 (0612)	LTR18		✓			✓		✓		1 to 976	New 1.5	P.238
										1k to 1M	0.75	
3225 (1210)	ESR25					✓				1 to 10M	0.66 (2/3)/☆0.75	P.236
	KTR25								✓	1 to 10M	0.33 (1/3)	P.239
	SFR25				✓					1 to 1M	0.5	P.240
5025 (2010)	☆MCR50S			✓				✓		1 to 10M	1.5	P.241
2550 (1020)	LTR50		✓			✓		✓		1 to 1M	1/☆2	P.238
3264 (1225)	LTR100		✓			✓		✓		1 to 1M	2/☆3	P.238

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☆：开发中

电流检测用 大功率金属板分流电阻器 超低阻值型：PSR系列

- 3W ~ 15W 大功率
- 超低阻值范围(0.1mΩ及以上)
- 出色的温度特性
- 采用凸型形状



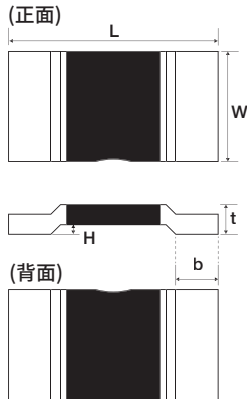
大额定值PSR系列									
Part No.	Size Code mm (inch)	Rated Power (W) (Rated Terminal Temperature)		Tolerance	Temperature* Coefficient (ppm/°C)	Resistance Value (mΩ)	Operating Temperature (°C)	Automotive Grade AEC-Q200	
		Low temperature side	High temperature side						
PSR100	6432 (2512)	12 (120°C)		F (±1%)	150±50	☆0.2	-65 to +175	YES	
		8 (75°C)	4 (140°C)		0 to +150	0.3			
					0 to +100	0.5			
		6 (75°C)	4 (140°C)		0 to +100	1.0			
					4 (75°C)	3 (140°C)			0 to +50
					0 to +50	3.0			
☆PSR330	6464 (2525)	15 (120°C)		F (±1%)	100±50	0.1		YES	
		8 (100°C)			0 to +100	0.5			
		6 (100°C)			0 to +50	1.0			
PSR400	10×5.2 (3921)	12 (75°C)	5 (130°C)	F (±1%)	125±50	0.2			YES
		10 (75°C)	5 (130°C)		0 to +100	0.3			
		10 (75°C)	5 (130°C)		0 to +100	0.5			
		8 (75°C)	5 (130°C)		0 to +75	1.0			
		6 (75°C)	4 (115°C)		0 to +75	2.0			
		5 (70°C)	3 (115°C)		0 to +75	3.0			
PSR500	15×7.75 (5931)	15 (75°C)	10 (120°C)	F (±1%)	200±50	0.1	YES		
		15 (75°C)	10 (120°C)		0 to +150	0.2			
		10 (75°C)	7 (120°C)		0 to +150	0.3			
		10 (75°C)	7 (120°C)		0 to +150	0.4			
		10 (75°C)	7 (120°C)		0 to +150	0.5			
		10 (75°C)	6 (120°C)		0 to +75	1.0			
		7 (70°C)	4 (115°C)		0 to +75	2.0			

*(+20° C to +175° C) ☆: 开发中

尺寸 (单位: mm)

Part No.	Resistance (mΩ)	L	W	t	H	b
PSR100	0.2	6.35±0.15	3.05±0.25	1.80±0.15	0.35±0.15	1.12±0.3
	0.3			1.45±0.15		
	0.5			1.15±0.15		
	1.0			0.75±0.15		
	2.0			1.00±0.15		
	3.0			0.75±0.15		
PSR330	0.1	6.35±0.15	6.35±0.25	1.81±0.15	0.35±0.15	1.12±0.3
	0.5			0.75±0.15		
	1.0			1.00±0.15		
PSR400	0.2	10±0.3	5.2±0.3	1.9±0.15	0.5±0.15	2.0±0.6
	0.3			1.85±0.15		
	0.5			1.3±0.15		
	1.0			0.9±0.15		
	2.0			1.1±0.15		
	3.0			0.9±0.15		
PSR500	0.1	15±0.3	7.75±0.3	1.96±0.15	0.5±0.15	4.6±0.6
	0.2			1.85±0.15		4.0±0.6
	0.3			1.4±0.15		
	0.4			1.15±0.15		
	0.5			1.05±0.15		
	1.0			1.35±0.15		
	2.0			0.9±0.15		

●PSR100/330/400/500



品名构成说明



F ±1%

B	0.1mΩ	F	0.5mΩ
C	0.2mΩ	H	1.0mΩ
D	0.3mΩ	J	2.0mΩ
E	0.4mΩ	L	3.0mΩ

Resistance code, 4 digits.	
Tolerance	Resistance code
F	: 4 digits

包装规格代码

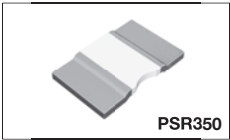
Part No.	Code	Tolerance F (±1%)	Packaging Specifications	Reel	Basic Ordering Unit (pcs)
PSR100	KTQ	○	Embossed tape (8mm Pitch)	φ330mm (13inch)	5,000
PSR330	ITQ	○	Embossed tape (8mm Pitch)	φ330mm (13inch)	3,000
PSR400	ITQ	○	Embossed tape (8mm Pitch)	φ330mm (13inch)	3,000
PSR500	HTQ	○	Embossed tape (12mm Pitch)	φ330mm (13inch)	2,000

Resistance	F
0.1mΩ	0L10
0.2mΩ	0L20
0.3mΩ	0L30
0.4mΩ	0L40
0.5mΩ	0L50
1.0mΩ	1L00
2.0mΩ	2L00
3.0mΩ	3L00

◎: 标准产品 卷轴 (φ330mm): 遵循JEITA规格 "EIAJ ET-7200B"

电流检测用
大功率金属板分流电阻器 超低阻值・薄型：PSR350

- 薄型结构非常适用于内置功率模块内
- 与大一个尺寸产品同等功率，从而节省空间
- 最大支持210A

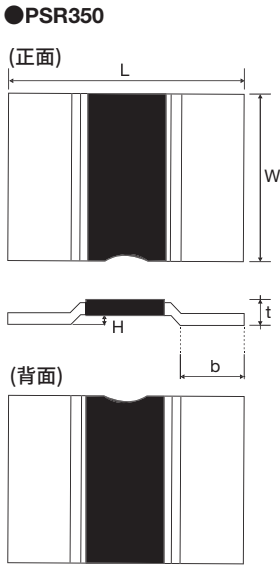


PSR350

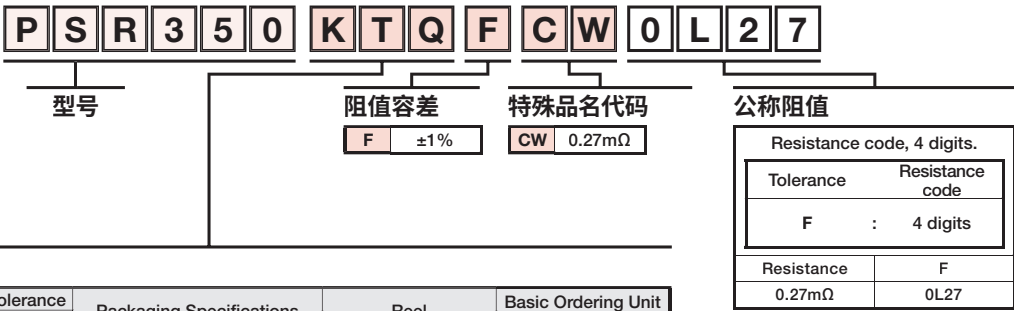
PSR350								
Part No.	Size Code mm (inch)	Rated Power (W)	Rated Terminal Temperature (°C)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Value (mΩ)	Operating Temperature (°C)	Automotive Grade AEC-Q200
New PSR350	7.9×5.6 (3222)	12	120	F (±1%)	0 to +250	0.27	-65 to +175	YES

尺寸 (单位：mm)

Part No.	Resistance (mΩ)	L	W	t	H	b
PSR350	0.27	7.9±0.1	5.6±0.3	0.85±0.15	0.35±0.15	2.1±0.20



品名构成说明



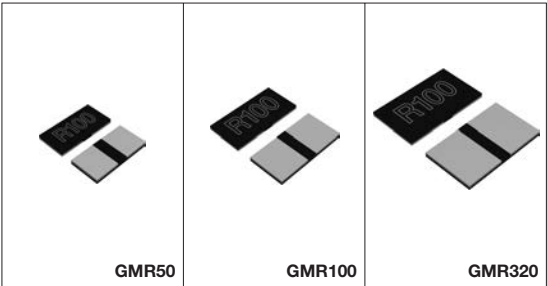
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Part No.	Code	Tolerance F (±1%)	Packaging Specifications	Reel	Basic Ordering Unit (pcs)
PSR350	KTQ	◎	Embossed tape (8mm Pitch)	φ330mm (13inch)	5,000

◎：标准产品 卷轴 (φ330mm)：遵循JEITA规格“EIAJ ET-7200B”

电流检测用 大功率金属板分流电阻器：GMR系列

- 3W~10W大功率
- 出色的散热性能
- 出色的温度特性
- 阻值范围5mΩ~220mΩ

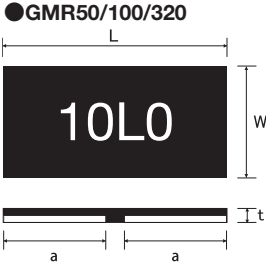


GMR系列								
Part No.	Size Code mm (inch)	Rated Power (W)	Rated Terminal Temperature (°C)	Tolerance	Temperature*1 Coefficient (ppm/°C)	Resistance Range (mΩ)	Operating Temperature (°C)	Automotive Grade AEC-Q200
GMR50	5025 (2010)	4	90	F (±1%)	0 to +25	5	-65 to +170	YES
		3	110	F (±1%)	±25	10 to 220 (E24 series)*2		
New GMR100	6432 (2512)	7	70	F (±1%)	0 to +25	5		YES
		5	110	F (±1%)	±20	10 to 220 (E24 series)*2		
GMR320	7142 (2817)	10	70	F (±1%)	0 to +50	5		YES
					±25	10 to 100 (E24 series)*2		
		7	110	F (±1%)	0 to +50	5		
					±25	10 to 100 (E24 series)*2		

*1 (+20° C to +60° C)
*2 每个电阻值的开发日程不同。请另行联系。

尺寸 (单位：mm)

Part No.	Size Code mm (inch)	L	W	t	a
GMR50	5025 (2010)	5.00±0.25	2.50±0.25	0.40±0.15	2.05±0.25
GMR100	6432 (2512)	6.40±0.25	3.20±0.25	0.40±0.15	2.75±0.25
GMR320	7142 (2817)	7.10±0.25	4.20±0.25	0.40±0.15	3.10±0.25



品名构成说明

G M R 1 0 0 H J A A F D													
型号			产品规格			A Outside E24 series		特殊品名代码			公称阻值		
			JA	5mΩ				A	10mΩ, 100mΩ		Resistance code, 4 digits.		
			JB	10mΩ≤R<100mΩ				D	5mΩ		Tolerance Resistance code		
			JC	≥100mΩ				E	15mΩ, 150mΩ		F : 4 digits		
			阻值容差					G	18mΩ		Resistance F		
			F ±1%					I	22mΩ, 220mΩ		5mΩ 5L00		
								K	27mΩ		10mΩ 10L0		
								M	33mΩ		15mΩ R015		
								Q	47mΩ		22mΩ R022		
								U	68mΩ		27mΩ R027		
								W	82mΩ		33mΩ R033		
											47mΩ R047		
											68mΩ R068		
											82mΩ R082		
											100mΩ R100		
											150mΩ R150		
											220mΩ R220		

包装规格代码

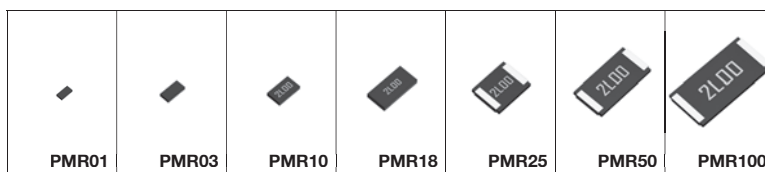
Part No.	Code	Tolerance F (±1%)	Packaging Specifications	Reel	Basic Ordering Unit (pcs)
GMR50	H	○	Embossed tape (4mm Pitch)	φ180mm (7inch)	2,000
GMR100	H	○	Embossed tape (8mm Pitch)	φ180mm (7inch)	2,000
GMR320	H	○	Embossed tape (8mm Pitch)	φ180mm (7inch)	2,000

卷轴(φ180mm)：遵循JEITA规格“EIAJ ET-7200B”
○：标准产品

电流检测用

金属板分流电阻器 超低阻值型：PMR系列

- 电流检测用贴片电阻器(1mΩ及以上)
- 采用无微调结构，避免热集中，减少表面温度上升
- 电阻体采用特殊合金，实现出色的温度特性



提高额定功率的PMR系列

Part No.	Size Code mm (inch)	Rated Power (W)	Rated Ambient Temperature (°C)	Rated Terminal Temperature (°C)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Value (mΩ)	Operating Temperature (°C)	Automotive Grade AEC-Q200
PMR10	2012 (0805)	1	—	130	F (±1%) J (±5%)	±100	2	-65 to +155	YES
PMR18	3216 (1206)	1.5	—	130	F (±1%) J (±5%)	±100	1, 2		YES
PMR25	3225 (1210)	2	—	130	F (±1%) J (±5%)	±75	1	-65 to +175	YES
PMR50	5025 (2010)	2	—	130	F (±1%) J (±5%)	±75	1, 2		YES
PMR100	6432 (2512)	3	—	130	F (±1%) J (±5%)	±150	1, 2		YES

PMR系列

Part No.	Size Code mm (inch)	Rated Power (W)	Rated Ambient Temperature (°C)	Rated Terminal Temperature (°C)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Value (mΩ)	Operating Temperature (°C)	Automotive Grade AEC-Q200
PMR01	1005 (0402)	0.2	70	—	J (±5%)	0 to 200	10	-55 to +155	YES
PMR03	1608 (0603)	0.25	70	—	F (±1%) J (±5%)	0 to 150	10		YES
PMR10	2012 (0805)	0.5	70	—	F (±1%) J (±5%)	±150	3, 4, 5, 6, 7, 8, 9, 10		YES
PMR18	3216 (1206)	1	70	—	F (±1%) J (±5%)	±100	3, 4, 5, 6, 7, 8, 9, 10		YES
PMR25	3225 (1210)	1	70	—	F (±1%) J (±5%)	±100	2, 3, 4, 5		YES
PMR50	5025 (2010)	1	70	—	F (±1%) J (±5%)	±100	3, 4, 5, 6, 7, 8, 9, 10		YES
PMR100	6432 (2512)	2	70	—	F (±1%) J (±5%)	±100	3, 4, 5, 6, 7, 8, 9, 10		YES

大电流跳线类型

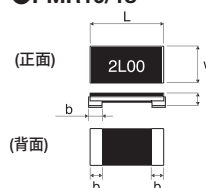
Part No.	Size Code mm (inch)	Rated Current (A)	Resistance	Operating Temperature (°C)	Automotive Grade AEC-Q200
PMR01	1005 (0402)	20.0	0.5mΩ Max	-55 to +155	YES
PMR03	1608 (0603)	22.4			YES
PMR10	2012 (0805)	31.6			YES
PMR18	3216 (1206)	38.7			YES
PMR25	3225 (1210)	44.7			YES
PMR50	5025 (2010)	50.0			YES
PMR100	6432 (2512)	63.2			YES

尺寸 (单位: mm)

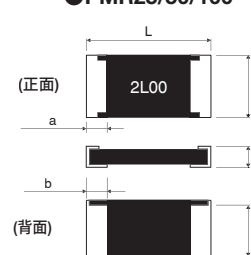
Part No.	Size Code mm (inch)	L	W	t	a	b	c
PMR01	1005 (0402)	1.0±0.05	0.5±0.05	0.25±0.1	—	0.25±0.10	—
PMR03	1608 (0603)	1.6±0.15	0.8±0.15	0.25±0.1	—	0.35±0.15	—
PMR10	2012 (0805)	2.0±0.15	1.2±0.15	0.42 to 0.28*±0.15	—	0.75 to 0.35*±0.25	—
PMR18	3216 (1206)	3.2±0.15	1.6±0.15	0.44 to 0.28*±0.15	—	1.20 to 0.5 *±0.25	—
PMR25	3225 (1210)	3.2±0.2	2.5±0.2	0.52 to 0.32*±0.15	0.5±0.2	1.00 to 0.8 *±0.2	1.95±0.2
PMR50	5025 (2010)	5.0±0.2	2.5±0.2	0.52 to 0.32*±0.15	0.5±0.2	1.85 to 0.9 *±0.2	1.95±0.2
PMR100	6432 (2512)	6.4±0.25	3.2±0.25	0.52 to 0.32*±0.15	0.5±0.25	2.3 to 1.1 *±0.25	2.65±0.25

*根据阻值不同而有所不同。详情请咨询罗姆的销售代表。

●PMR01/03(无标记) ●PMR10/18



●PMR25/50/100



品名构成说明



型号

阻值容差

特殊品名代码

公称阻值

F	±1%
J	±5%
J is also used for jumper	

V	1mΩ to 4mΩ
U	5mΩ to 10mΩ

*跳线类型无特殊编号

Resistance code, 3 or 4 digits.
000 denotes jumper type.

Tolerance	Resistance code
F	: 4 digits
J	: 3 digits

包装规格代码

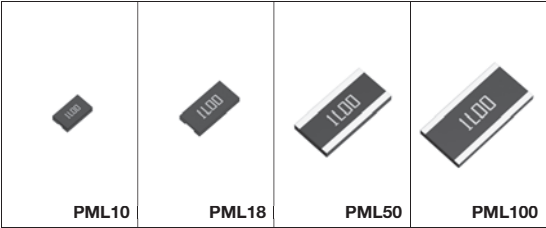
Part No.	Code	Tolerance		Packaging Specifications	Reel	Basic Ordering Unit (pcs)
		J (±5%)	F (±1%)			
PMR01	ZZP	○	—	Embossed tape (2mm Pitch)	φ180mm (7inch)	10,000
PMR03	EZP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
PMR10	EZP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
PMR18	EZP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
PMR25	HZP	○	○	Embossed tape (4mm Pitch)	φ180mm (7inch)	2,000
PMR50	HZP	○	○	Embossed tape (4mm Pitch)	φ180mm (7inch)	2,000
PMR100	HZP	○	○	Embossed tape (4mm Pitch)	φ180mm (7inch)	2,000

卷轴(φ180mm): 遵循JEITA规格 "EIAJ ET-7200B"
○: 标准产品

Resistance Value (Ω)	Tolerance	
	J	F
Jumper	000	—
1mΩ	1L0	1L00
2mΩ	2L0	2L00
3mΩ	3L0	3L00
4mΩ	4L0	4L00
5mΩ	5L0	5L00
6mΩ	6L0	6L00
7mΩ	7L0	7L00
8mΩ	8L0	8L00
9mΩ	9L0	9L00
10mΩ	10L	10L0

电流检测用 金属板分流电阻器 超低阻值・长边电极型：PML系列

- 超低阻值范围(0.5mΩ及以上)
- 采用长边电极结构，提高接合可靠性和散热性
- 采用无微调结构，避免热集中，减少表面温度上升



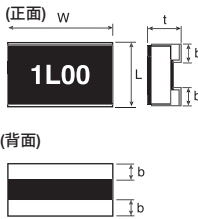
PML系列								
Part No.	Size Code mm (inch)	Rated Power (W)	Rated Ambient Temperature (°C)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Value (mΩ)	Operating Temperature (°C)	Automotive Grade AEC-Q200
PML10	1220 (0508)	0.66 (2/3)	70	G (±2%) J (±5%)	±200	1.0, 1.5, 2.0, 2.5	-55 to +155	YES
PML18	1632 (0612)	1	70	G (±2%) J (±5%)	±150	0.5, 1.0, 1.5, 2.0, 2.5		YES
PML50	2550 (1020)	2	70	J (±5%)	±150 ±100	0.5 2.2		YES
PML100	3264 (1225)	2 2 3	70 70 25	J (±5%)	±150 ±100	0.5 1.0, 1.5, 2.0, 2.2		YES

尺寸 (单位：mm)

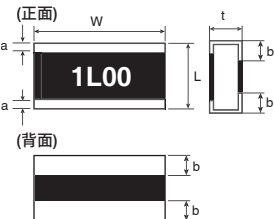
Part No.	Size Code mm (inch)	L	W	t	a	b
PML10	1220 (0508)	1.2±0.15	2.0±0.15	0.42 to 0.28* ±0.15	—	0.45 to 0.35* ±0.25
PML18	1632 (0612)	1.6±0.15	3.2±0.15	0.42 to 0.28* ±0.15	—	0.55 to 0.35* ±0.25
PML50	2550 (1020)	2.6±0.20	5.0±0.2	0.5 to 0.36* ±0.15	0.4±0.2	0.75 to 0.7* ±0.2
PML100	3264 (1225)	3.2±0.25	6.4±0.25	0.5 to 0.36* ±0.15	0.45±0.25	0.9 to 0.7* ±0.25

*根据阻值不同而有所不同。详情请咨询罗姆的销售代表。

●PML10/18



●PML50/100



品名构成说明

P	M	L	5	0	H	Z	P	J	V																					
型号					阻值容差		特殊品名代码		公称阻值																					
					<table><tr><td>G</td><td>±2%</td></tr><tr><td>J</td><td>±5%</td></tr></table>		G	±2%	J	±5%			<table><tr><td colspan="3">Resistance code, 3 or 4 digits.</td></tr><tr><td colspan="2">Tolerance</td><td>Resistance code</td></tr><tr><td>G</td><td>:</td><td>4 digits</td></tr><tr><td>J</td><td>:</td><td>3 digits</td></tr></table>					Resistance code, 3 or 4 digits.			Tolerance		Resistance code	G	:	4 digits	J	:	3 digits	
G	±2%																													
J	±5%																													
Resistance code, 3 or 4 digits.																														
Tolerance		Resistance code																												
G	:	4 digits																												
J	:	3 digits																												
									<table><tr><td rowspan="8">Resistance Value (Ω)</td><td colspan="2">Tolerance</td></tr><tr><td>J</td><td>G</td></tr><tr><td>0.5mΩ</td><td>0L5 0L50</td></tr><tr><td>1mΩ</td><td>1L0 1L00</td></tr><tr><td>1.5mΩ</td><td>1L5 1L50</td></tr><tr><td>2mΩ</td><td>2L0 2L00</td></tr><tr><td>2.2mΩ</td><td>2L2 —</td></tr><tr><td>2.5mΩ</td><td>2L5 2L50</td></tr></table>					Resistance Value (Ω)	Tolerance		J	G	0.5mΩ	0L5 0L50	1mΩ	1L0 1L00	1.5mΩ	1L5 1L50	2mΩ	2L0 2L00	2.2mΩ	2L2 —	2.5mΩ	2L5 2L50
Resistance Value (Ω)	Tolerance																													
	J	G																												
	0.5mΩ	0L5 0L50																												
	1mΩ	1L0 1L00																												
	1.5mΩ	1L5 1L50																												
	2mΩ	2L0 2L00																												
	2.2mΩ	2L2 —																												
	2.5mΩ	2L5 2L50																												

包装规格代码

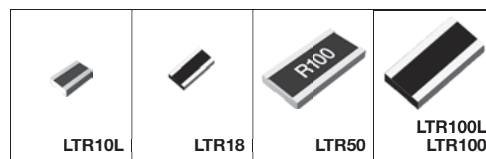
Part No.	Code	Tolerance		Packaging Specifications	Reel	Basic Ordering Unit (pcs)
		J (±5%)	G (±2%)			
PML10	EZP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
PML18	EZP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
PML50	HZP	○	—	Embossed tape (4mm Pitch)	φ180mm (7inch)	2,000
PML100	HZP	○	—	Embossed tape (4mm Pitch)	φ180mm (7inch)	2,000

卷轴(φ180mm)：遵循JEITA规格“EIAJ ET-7200B”
○：标准产品

电流检测用

大功率厚膜分流电阻器 长边电极型：LTR/LTRL系列

- 电流检测用贴片电阻器(10mΩ及以上)
- 通过采用长边电极结构，大幅提高对于温度变化的连接可靠性
- 额定功率大，可与小尺寸产品进行替换



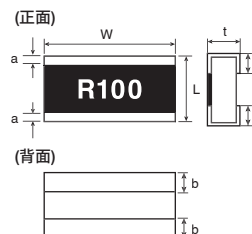
LTR/LTRL系列									
Part No.	Size Code mm (inch)	Rated Power (W)	Rated Ambient Temperature (°C)	Rated Terminal Temperature (°C)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Range	Operating Temperature (°C)	Automotive Grade AEC-Q200
New LTR10L	1220 (0508)	1	70	125	D (±0.5%)	0 to 150 0 to 100	100mΩ to 180mΩ (E24 series) 200mΩ to 910mΩ (E24 series)	-55 to +155	YES
					F (±1%) J (±5%)	0 to 150 0 to 100	33mΩ to 180mΩ (E24 series) 200mΩ to 910mΩ (E24 series)		
LTR18	1632 (0612)	New 1.5	70	95	F (±1%) J (±5%)	0 to 300 0 to 200 0 to 150 ±100	10mΩ to 18mΩ (E24 series) 20mΩ to 47mΩ (E24 series) 51mΩ to 470mΩ (E24 series) 510mΩ to 1Ω (E24 series)	-55 to +155	YES
LTR50	2550 (1020)	2	70	—	F (±1%) J (±5%)	0 to 300 0 to 200 0 to 150 ±100	10mΩ to 18mΩ (E24 series) 20mΩ to 47mΩ (E24 series) 51mΩ to 91mΩ (E24 series) 100mΩ to 910mΩ (E24 series)		YES
LTR100L	3264 (1225)	4	70	110	F (±1%) J (±5%)	0 to 300 0 to 200 0 to 150	10mΩ to 18mΩ (E24 series) 20mΩ to 47mΩ (E24 series) 51mΩ to 91mΩ (E24 series)	-65 to +155	YES
LTR100		2	70	—	F (±1%) J (±5%)	0 to 150 0 to 100	100mΩ to 180mΩ (E24 series) 200mΩ to 910mΩ (E24 series)	-55 to +155	YES
		☆3	70	☆110	F (±1%) J (±5%)	0 to 150 0 to 100	100mΩ to 180mΩ (E24 series) 200mΩ to 910mΩ (E24 series)		YES
					J (±5%)	±200	100mΩ to 910mΩ (E24 series)		

☆：开发中

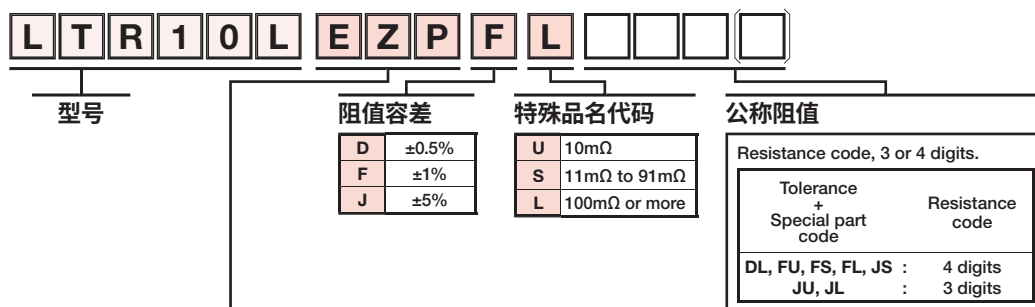
尺寸 (单位：mm)

Part No.	Size Code mm (inch)	L	W	t	a	b
LTR10L	1220 (0508)	1.25±0.15	2.0±0.15	0.55±0.1	0.28±0.15	0.35±0.2
LTR18	1632 (0612)	1.6±0.1	3.2±0.1	0.58±0.1	0.5±0.2	0.5±0.2
LTR50	2550 (1020)	2.5±0.15	5.0±0.15	0.58±0.15	0.38±0.2	0.9±0.2
LTR100L	3264 (1225)	3.1±0.15	6.4±0.15	0.58±0.15	0.5±0.25	1.0±0.25
LTR100		3.2±0.15	6.4±0.15	0.55±0.15	0.4±0.25	1.13±0.25

- LTR10L/LTR18/LTR100L/LTR100(无标记)
- LTR50(标记)



品名构成说明



包装规格代码

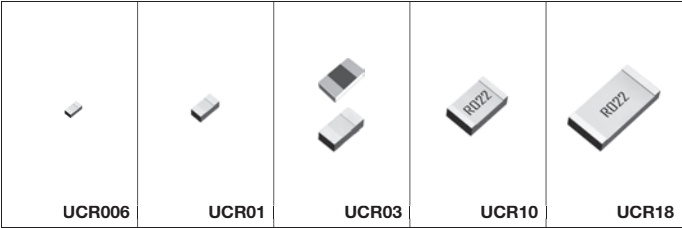
Part No.	Code	Tolerance		Packaging Specifications	Reel	Basic Ordering Unit (pcs)
		J (±5%)	F (±1%)			
LTR10L*	EZP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
LTR18	EZP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
LTR50	UZP	○	○	Embossed tape (4mm Pitch)	φ180mm (7inch)	5,000
LTR100L	JZP	○	○	Embossed tape (4mm Pitch)	φ180mm (7inch)	4,000
LTR100	JZP	○	○	Embossed tape (4mm Pitch)	φ180mm (7inch)	4,000

○：标准产品

*LTR10L 100mΩ to 910mΩ对应D级(±0.5%)

电流检测用 厚膜分流电阻器 背面贴装型：UCR系列

- 电流检测用贴片电阻器(11mΩ及以上)
- 采用背面贴装结构，减少贴装时的阻值偏差
- 采用自有的散热设计，实现出色的额定功率

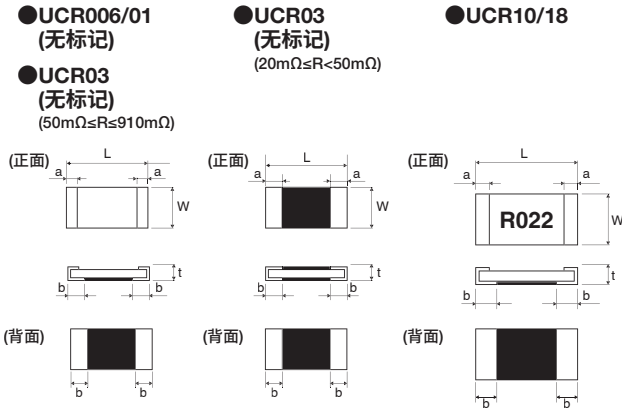


UCR系列							
Part No.	Size Code mm (inch)	Rated Power (W) (70°C)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Range	Operating Temperature (°C)	Automotive Grade AEC-Q200
UCR006	0603 (0201)	0.1	F (±1%) J (±5%)	0 to 300	100mΩ to 910mΩ (E24 series)	-55 to +155	YES
UCR01	1005 (0402)	0.125	F (±1%) J (±5%)	0 to 300 0 to 250 0 to 200	68mΩ to 91mΩ (E24 series) 100mΩ to 200mΩ (E24 series) 220mΩ to 910mΩ (E24 series)		YES
UCR03	1608 (0603)	0.25	F (±1%) J (±5%)	0 to 250 0 to 200 0 to 150	20mΩ to 47mΩ (E24 series) 50mΩ to 91mΩ (E24 series) 100mΩ to 200mΩ (E24 series)		YES*
		0.2	F (±1%) J (±5%)	0 to 150	220mΩ to 910mΩ (E24 series)		
UCR10	2012 (0805)	0.33 (1/3)	F (±1%) J (±5%)	250±200 0 to 250 0 to 150	11mΩ to 18mΩ (E24 series) 20mΩ to 47mΩ (E24 series) 51mΩ to 100mΩ (E24 series)		YES
UCR18	3216 (1206)	1	F (±1%) J (±5%)	0 to 350 0 to 200	11mΩ to 18mΩ (E24 series) 20mΩ to 39mΩ (E24 series)		YES
		0.5	F (±1%) J (±5%)	0 to 150	43mΩ to 100mΩ (E24 series)		

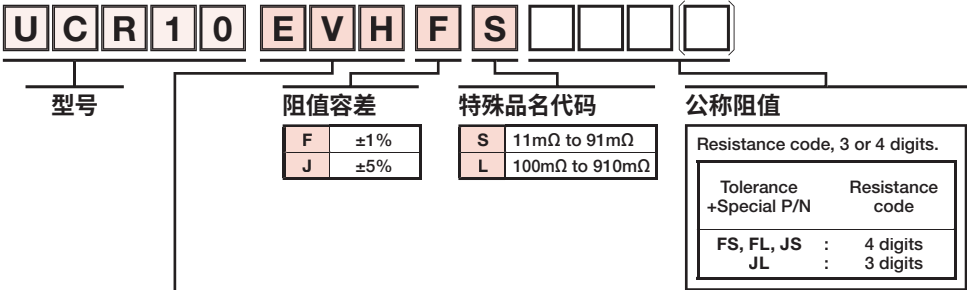
*仅限100mΩ及以上

尺寸 (单位：mm)

Part No.	Size Code mm (inch)	L	W	t	a	b
UCR006	0603 (0201)	0.62±0.05	0.32±0.05	0.24±0.05	0.18±0.1	0.22±0.1
UCR01	1005 (0402)	1.0±0.1	0.55±0.1	0.37±0.05	0.28±0.1	0.34±0.1
UCR03	1608 (0603)	1.6±0.1	0.87±0.1	0.5±0.1	0.45±0.2	0.45±0.2
UCR10	2012 (0805)	2.0±0.1	1.25±0.1	0.55±0.1	0.24±0.2	0.5±0.2
UCR18	3216 (1206)	3.2±0.15	1.6±0.15	0.55±0.1	0.3±0.2	0.9±0.25



品名构成说明



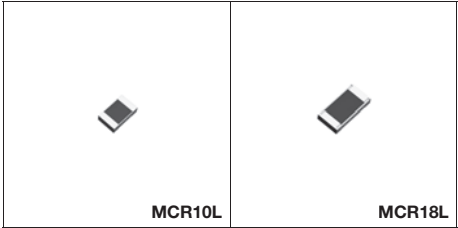
包装规格代码

Part No.	Code	Tolerance		Packaging Specifications	Reel	Basic Ordering Unit (pcs)	Remarks
		J (±5%)	F (±1%)				
UCR006	YVP	○	○	Paper tape (2mm Pitch)	φ180mm (7inch)	15,000	—
UCR01	MVP	○	○	Paper tape (2mm Pitch)	φ180mm (7inch)	10,000	—
UCR03	EWP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000	20mΩ to 47mΩ
	EVP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000	51mΩ to 910mΩ
UCR10	EVH	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000	—
UCR18	EVH	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000	—

卷轴(φ180mm)：遵循JEITA规格“EIAJ ET-7200B”
○：标准产品

电流检测用
通用贴片电阻器 低电阻值・大功率型：MCRL系列

- 通过电阻元件的重新布线，实现了与大一尺寸产品同等的额定功率
- 低阻值 (47mΩ及以上)，厚电阻体
- 采用了金属釉阻体的高可靠性贴片电阻器



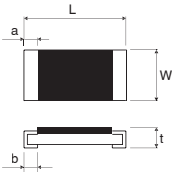
MCR L系列							
Part No.	Size Code mm (inch)	Rated Power (W) (70°C)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Range	Operating Temperature (°C)	Automotive Grade AEC-Q200
New MCR10L	2012 (0805)	0.5	F (±1%) J (±5%)	0 to 250	47mΩ to 110mΩ (E24 series)	-55 to 155	YES
				0 to 150	120mΩ to 910mΩ (E24 series)		
New MCR18L	3216 (1206)	0.75	F (±1%) J (±5%)	0 to 250	47mΩ to 91mΩ (E24 series)		YES
				0 to 150	100mΩ to 910mΩ (E24 series)		

尺寸 (单位：mm)

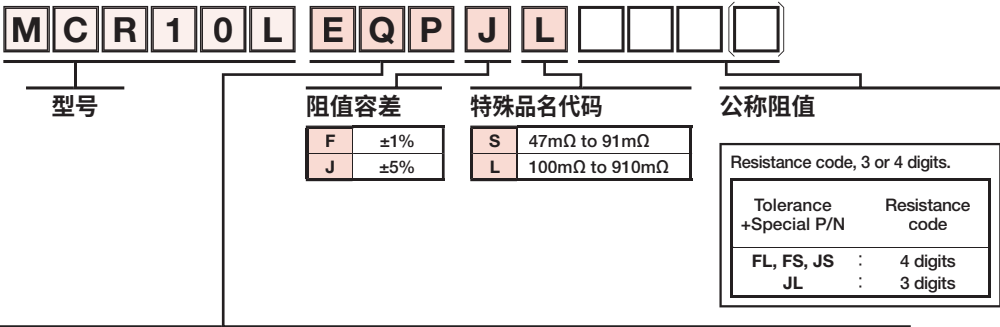
Part No.	Size Code mm (inch)	L	W	t	a	b
MCR10L	2012 (0805)	2.0±0.1	1.25±0.1	0.55±0.1	0.60±0.20*1	0.40±0.20
					0.45±0.20*2	
MCR18L	3216 (1206)	3.20+0.15 -0.20	1.6±0.15	0.55±0.1	0.90±0.20*1	0.50±0.25
					0.75±0.20*2	

*1 电阻值范围：47mΩ ~ 110mΩ
*2 电阻值范围：120mΩ ~ 910mΩ

●MCR10L/18L(无标记)



品名构成说明



包装规格代码

Part No.	Code	Tolerance		Packaging Specifications	Reel	Basic Ordering Unit (pcs)
		J (±5%)	F (±1%)			
MCR10L	EQP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
MCR18L	EQP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000

卷轴(φ180mm)：遵循JEITA规格“EIAJ ET-7200B”
◎：标准产品

高可靠性 高抗浪涌贴片电阻器：SDR系列 抗浪涌贴片电阻器：ESR系列

- 采用自有的电阻元件布线、微调技术，大幅提升抗浪涌特性
- 额定功率比通用系列产品大，有助于设备省空间设计



SDR系列										
Part No.	Size Code mm (inch)	Rated Power (W)	Rated Ambient Temperature (°C)	Rated Terminal Temperature (°C)	Limiting Element Voltage (V)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Range	Operating Temperature (°C)	Automotive Grade AEC-Q200
SDR03	1608 (0603)	0.3	70	—	150	D (±0.5%)	±100	10Ω to 1MΩ (E24, E96 series)	-55 to +155	YES
						F (±1%)	±200	1Ω to 9.76Ω (E24, E96 series)		
							±100	10Ω to 10MΩ (E24, E96 series)		
		J (±5%)	±200	1Ω to 10MΩ (E24 series)						
			D (±0.5%)	±100	10Ω to 1MΩ (E24, E96 series)					
				F (±1%)	±200	1Ω to 9.76Ω (E24, E96 series)				
		±100			10Ω to 10MΩ (E24, E96 series)					
		J (±5%)	±200	1Ω to 10MΩ (E24 series)						
			D (±0.5%)	±100	10Ω to 1MΩ (E24, E96 series)					
F (±1%)	±200			1Ω to 9.76Ω (E24, E96 series)						
	±100	10Ω to 10MΩ (E24, E96 series)								
J (±5%)	±200	1Ω to 10MΩ (E24 series)								
	D (±0.5%)	±100	10Ω to 1MΩ (E24, E96 series)							
		F (±1%)	±200	1Ω to 9.76Ω (E24, E96 series)						
±100			10Ω to 10MΩ (E24, E96 series)							
J (±5%)	±200	1Ω to 10MΩ (E24 series)								
	D (±0.5%)	±100	10Ω to 1MΩ (E24, E96 series)							
		F (±1%)	±200	1Ω to 9.76Ω (E24, E96 series)						
±100			10Ω to 10MΩ (E24, E96 series)							
J (±5%)	±200	1Ω to 10MΩ (E24 series)								
	D (±0.5%)	±100	10Ω to 1MΩ (E24, E96 series)							
		F (±1%)	±200	1Ω to 9.76Ω (E24, E96 series)						
±100			10Ω to 10MΩ (E24, E96 series)							
J (±5%)	±200	1Ω to 10MΩ (E24 series)								
	D (±0.5%)	±100	10Ω to 1MΩ (E24, E96 series)							
		F (±1%)	±200	1Ω to 9.76Ω (E24, E96 series)						
±100			10Ω to 10MΩ (E24, E96 series)							
J (±5%)	±200	1Ω to 10MΩ (E24 series)								
	D (±0.5%)	±100	10Ω to 1MΩ (E24, E96 series)							
		F (±1%)	±200	1Ω to 9.76Ω (E24, E96 series)						
±100			10Ω to 10MΩ (E24, E96 series)							
J (±5%)	±200	1Ω to 10MΩ (E24 series)								
	D (±0.5%)	±100	10Ω to 1MΩ (E24, E96 series)							
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	D (±0.5%)	±100	10Ω to 1MΩ (E24, E96 series)							
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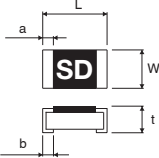
*E24：标准品/E96：订购生产品

☆：开发中

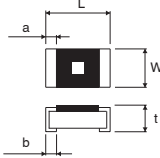
尺寸 (单位: mm)

Part No.	Size Code mm (inch)	L	W	t	a	b
SDR03	1608 (0603)	1.6±0.1	0.8±0.1	0.45±0.1	0.25±0.1	0.25±0.1
SDR10	2012 (0805)	2.0±0.1	1.25±0.1	0.55±0.1	0.25±0.1	0.4±0.2
ESR01	1005 (0402)	1.0±0.05	0.5±0.05	0.35±0.05	0.2±0.1	0.25 ^{+0.05} _{-0.1}
ESR03	1608 (0603)	1.6±0.1	0.8±0.1	0.45±0.1	0.3±0.2	0.3±0.2
ESR10	2012 (0805)	2.0±0.1	1.25±0.1	0.55±0.1	0.3±0.2	0.4±0.2
ESR18	3216 (1206)	3.2±0.15	1.6±0.15	0.55±0.1	0.3±0.25	0.5±0.25
ESR25	3225 (1210)	3.2±0.15	2.5±0.15	0.55±0.1	0.3±0.25	0.5±0.25

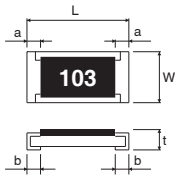
●SDR03/10
(有“SD”标记)



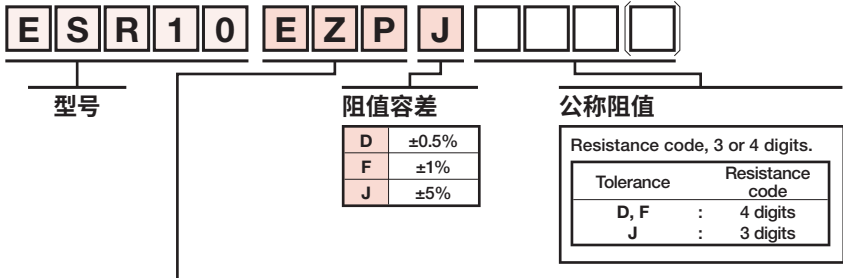
●ESR01/03
(有“■”标记)



●ESR10/18/25



品名构成说明



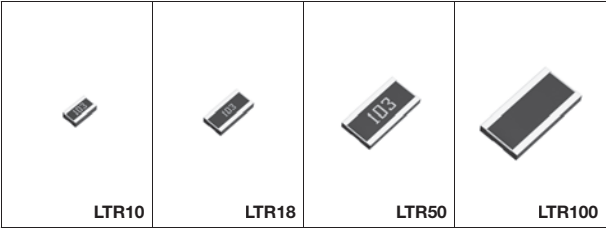
包装规格代码

Part No.	Code	Tolerance			Packaging Specifications	Reel	Basic Ordering Unit (pcs)
		J (±5%)	F (±1%)	D (±0.5%)			
SDR03	EZP	○	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
SDR10	EZP	○	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
ESR01	MZP	○	○	—	Paper tape (2mm Pitch)	φ180mm (7inch)	10,000
ESR03	EZP	○	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
ESR10	EZP	○	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
ESR18	EZP	○	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
ESR25	JZP	○	○	○	Embossed tape (4mm Pitch)	φ180mm (7inch)	4,000

卷轴(φ180mm): 遵循JEITA规格 "EIAJ ET-7200B"
○: 标准产品

高可靠性 大功率&抗电涌贴片电阻器 长边电极型：LTR系列

- 通过采用长边电极结构，大幅提升对于温度变化的连接可靠性
- 额定功率比通用系列产品大，有助于设备省空间设计
- 通过不使电流集中的电阻元件设计，大幅提升抗电涌特性



LTR系列											
Part No.	Size Code mm (inch)	Rated Power (W)	Rated Ambient Temperature (°C)	Rated Terminal Temperature (°C)	Limiting Element Voltage (V)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Range	Operating Temperature (°C)	Automotive Grade AEC-Q200	
LTR10	1220 (0508)	New 1	70	125	150	D (±0.5%)	±100	10Ω to 976Ω (E24, E96 series)	-55 to +155	YES	
						F (±1%)	±100	1Ω to 976Ω (E24, E96 series)			
						J (±5%)	±200	1Ω to 976Ω (E24 series)			
		0.25	70	—		D (±0.5%)	±100	1kΩ to 1MΩ (E24, E96 series)			
						F (±1%)	±100	1kΩ to 1MΩ (E24, E96 series)			
						J (±5%)	±200	1kΩ to 1MΩ (E24 series)			
LTR18	1632 (0612)	New 1.5	70	95	200	D (±0.5%)	±100	10Ω to 976Ω (E24, E96 series)		YES	
						F (±1%)	±100	1Ω to 976Ω (E24, E96 series)			
						J (±5%)	±200	1Ω to 976Ω (E24 series)			
		0.75	70	—		D (±0.5%)	±100	1kΩ to 1MΩ (E24, E96 series)			
						F (±1%)	±100	1kΩ to 1MΩ (E24, E96 series)			
						J (±5%)	±200	1kΩ to 1MΩ (E24 series)			
LTR50	2550 (1020)	1	70	—	200	D (±0.5%)	±100	10Ω to 1MΩ (E24, E96 series)	YES		
						F (±1%)	±100	1Ω to 1MΩ (E24, E96 series)			
						J (±5%)	±200	1Ω to 1MΩ (E24 series)			
		☆2	70	95		D (±0.5%)	±100	10Ω to 1MΩ (E24, E96 series)			
						F (±1%)	±100	1Ω to 1MΩ (E24, E96 series)			
						J (±5%)	±200	1Ω to 1MΩ (E24 series)			
LTR100	3264 (1225)	2	70	—	200	D (±0.5%)	±100	10Ω to 1MΩ (E24, E96 series)	YES		
						F (±1%)	±100	1Ω to 1MΩ (E24, E96 series)			
						J (±5%)	±200	1Ω to 1MΩ (E24 series)			
		☆3	70	110		D (±0.5%)	±100	10Ω to 1MΩ (E24, E96 series)			
						F (±1%)	±100	1Ω to 1MΩ (E24, E96 series)			
						J (±5%)	±200	1Ω to 1MΩ (E24 series)			

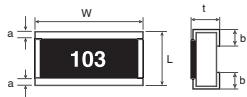
*E24：标准品/E96：订购生产品

☆：开发中

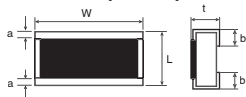
尺寸 (单位：mm)

Part No.	Size Code mm (inch)	L	W	t	a	b
LTR10	1220 (0508)	1.2±0.1	2.0±0.1	0.55±0.1	0.25±0.1	0.35±0.2
LTR18	1632 (0612)	1.6±0.15	3.2±0.15	0.55±0.1	0.3±0.2	0.5±0.2
LTR50	2550 (1020)	2.5±0.15	5.0±0.15	0.55±0.1	0.38±0.2	0.9±0.2
LTR100	3264 (1225)	3.2±0.15	6.4±0.15	0.55±0.15	0.4±0.25	1.13±0.25

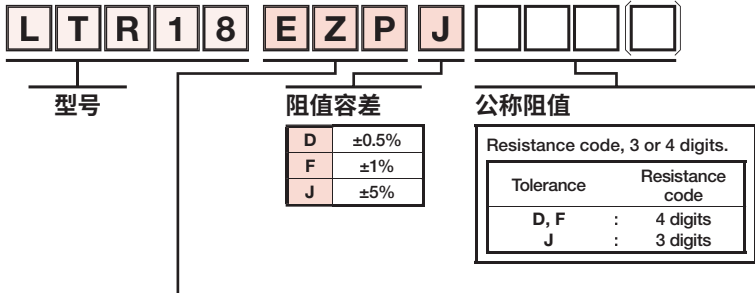
●LTR10/18/50



●LTR100(无标记)



品名构成说明



包装规格代码

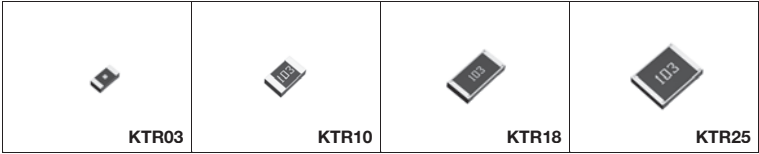
Part No.	Code	Tolerance			Packaging Specifications	Reel	Basic Ordering Unit (pcs)
		J (±5%)	F (±1%)	D (±0.5%)			
LTR10	EZP	○	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
LTR18	EZP	○	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
LTR50	UZP	○	○	○	Embossed tape (4mm Pitch)	φ180mm (7inch)	5,000
LTR100	JZP	○	○	○	Embossed tape (4mm Pitch)	φ180mm (7inch)	4,000

卷轴(φ180mm)：遵循JEITA规格“EIAJ ET-7200B”

○：标准产品

高可靠性
高耐压贴片电阻器：KTR系列

- 元件最高电压是通用系列产品的2倍以上
- 适用于高电压负载的分压电路



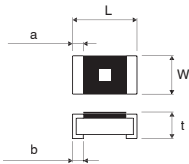
KTR系列								
Part No.	Size Code mm (inch)	Rated Power (W) (70°C)	Limiting Element Voltage (V)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Range	Operating Temperature (°C)	Automotive Grade AEC-Q200
KTR03	1608 (0603)	0.1	350	F (±1%)	±200	1Ω to 9.76Ω (E24, E96 series)	-55 to +155	YES
				J (±5%)	±100	10Ω to 10MΩ (E24, E96 series)		
KTR10	2012 (0805)	0.125	400	F (±1%)	±200	1Ω to 10MΩ (E24 series)		YES
				J (±5%)	±100	10Ω to 30MΩ (E24 series)		
KTR18	3216 (1206)	0.25	500	F (±1%)	±100	1Ω to 10MΩ (E24, E96 series)		YES
				J (±5%)	±200	1Ω to 10MΩ (E24 series)		
KTR25	3225 (1210)	0.33 (1/3)	600	F (±1%)	±100	1Ω to 10MΩ (E24, E96 series)		YES
				J (±5%)	±200	1Ω to 10MΩ (E24 series)		

*E24：标准品/E96：订购产品

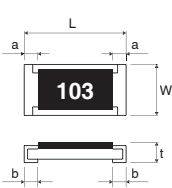
尺寸 (单位：mm)

Part No.	Size Code mm (inch)	L	W	t	a	b
KTR03	1608 (0603)	1.6±0.1	0.8±0.1	0.45±0.1	0.3±0.2	0.3±0.2
KTR10	2012 (0805)	2.0±0.1	1.25±0.1	0.55±0.1	0.3±0.2	0.4±0.2
KTR18	3216 (1206)	3.2±0.15	1.6±0.15	0.55±0.1	0.3±0.25	0.5±0.25
KTR25	3225 (1210)	3.2±0.15	2.5±0.15	0.55±0.1	0.3±0.25	0.5±0.25

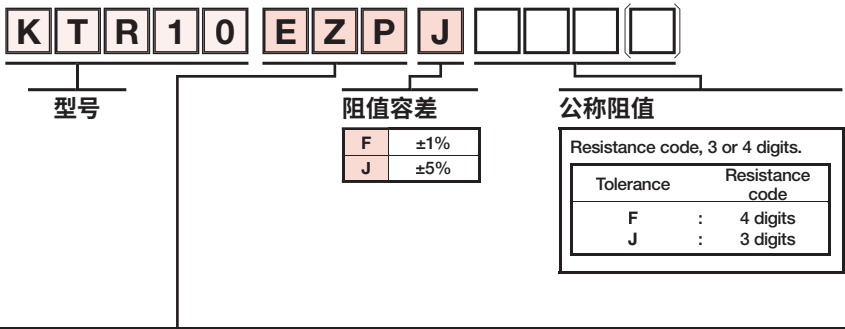
●KTR03
(有“■”标记)



●KTR10/18/25



品名构成说明



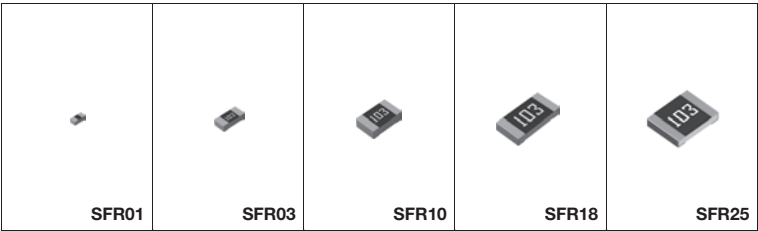
包装规格代码

Part No.	Code	Tolerance		Packaging Specifications	Reel	Basic Ordering Unit (pcs)
		J (±5%)	F (±1%)			
KTR03	EZP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
KTR10	EZP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
KTR18	EZP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
KTR25	JZP	○	○	Embossed tape (4mm Pitch)	φ180mm (7inch)	4,000

卷轴(φ180mm)：遵循JEITA规格“EIAJ ET-7200B”
○：标准产品

高可靠性 抗硫化贴片电阻器：SFR系列

•采用罗姆自有的结构，大幅提升抗硫化性能



SFR系列								
Part No.	Size Code mm (inch)	Rated Power (W) (70°C)	Limiting Element Voltage (V)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Range	Operating Temperature (°C)	Automotive Grade AEC-Q200
SFR01	1005 (0402)	0.063 (1/16)	50	F (±1%)	±100	10Ω to 2.2MΩ (E24, E96 series)	-55 to +155	YES
				J (±5%)	+500/-250 ±200	1Ω to 9.1Ω (E24 series) 10Ω to 10MΩ (E24 series)		
SFR03	1608 (0603)	0.1	50	F (±1%)	±100	10Ω to 10MΩ (E24, E96 series)		YES
				J (±5%)	±400 ±200	1Ω to 9.1Ω (E24 series) 10Ω to 10MΩ (E24 series)		
SFR10	2012 (0805)	0.125	150	F (±1%)	±100	10Ω to 2.2MΩ (E24, E96 series)		YES
				J (±5%)	±400 ±200	1Ω to 9.1Ω (E24 series) 10Ω to 10MΩ (E24 series)		
SFR18	3216 (1206)	0.25	200	F (±1%)	±100	10Ω to 2.2MΩ (E24, E96 series)		YES
				J (±5%)	±400 ±200	1Ω to 9.1Ω (E24 series) 10Ω to 10MΩ (E24 series)		
SFR25	3225 (1210)	0.5	200	F (±1%)	±100	10Ω to 1MΩ (E24, E96 series)		YES
				J (±5%)	±200	1Ω to 1MΩ (E24 series)		

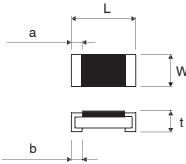
*E24：标准品/E96：订购产品

跳线类型					
Part No.	Size Code mm (inch)	Rated Current (A)	Resistance	Operating Temperature (°C)	Automotive Grade AEC-Q200
SFR01	1005 (0402)	1	50mΩ Max	-55 to +155°C	YES
SFR03	1608 (0603)	1			YES
SFR10	2012 (0805)	2			YES
SFR18	3216 (1206)	2			YES
SFR25	3225 (1210)	2			YES

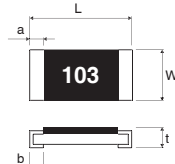
尺寸 (单位：mm)

Part No.	Size Code mm (inch)	L	W	t	a	b
SFR01	1005 (0402)	1.0±0.05	0.5±0.05	0.35±0.05	0.33±0.08	0.25 ^{+0.05} _{-0.10}
SFR03	1608 (0603)	1.6±0.1	0.8±0.1	0.45±0.1	0.4±0.2	0.3±0.2
SFR10	2012 (0805)	2.0±0.1	1.25±0.1	0.55±0.1	0.4±0.2	0.4±0.2
SFR18	3216 (1206)	3.2 ^{+0.15} _{-0.20}	1.6±0.15	0.55±0.1	0.55±0.25	0.5±0.25
SFR25	3225 (1210)	3.2 ^{+0.15} _{-0.20}	2.5±0.15	0.55±0.1	0.55±0.25	0.5±0.25

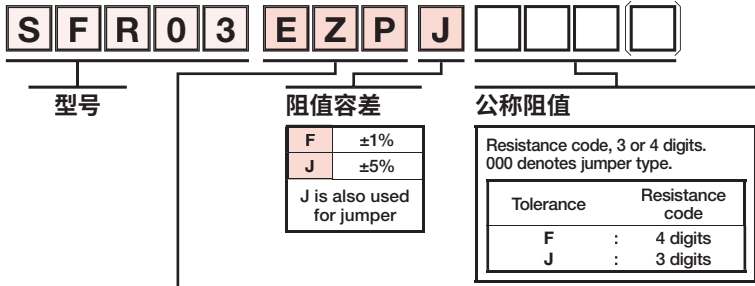
●SFR01(无标记)



●SFR03/10/18/25



品名构成说明



包装规格代码

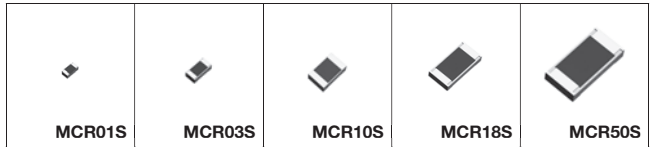
Part No.	Code	Tolerance		Packaging Specifications	Reel	Basic Ordering Unit (pcs)
		J (±5%)	F (±1%)			
SFR01	MZP	○	○	Paper tape (2mm Pitch)	φ180mm (7inch)	10,000
SFR03	EZP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
SFR10	EZP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
SFR18	EZP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
SFR25	JZP	○	○	Embossed tape (4mm Pitch)	φ180mm (7inch)	4,000

卷轴(φ180mm)：遵循JEITA规格“EIAJ ET-7200B”

○：标准产品

通用贴片电阻器 大功率型：MCRS系列

- 通过电阻元件的重新布线，相比以往MCR系列，实现了与大一个尺寸产品同等的额定功率保证。
- 实现了电路的省空间化
(1608→1005尺寸的替换减少了约60%的面积)



MCRS系列										
Part No.	Size Code mm (inch)	Rated Power (W)	Rated Ambient Temperature (°C)	Rated Terminal Temperature (°C)	Limiting Element Voltage (V)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Range	Operating Temperature (°C)	Automotive Grade AEC-Q200
MCR01S	1005 (0402)	0.1	70	—	75	F (±1%)	±100	10Ω to 10MΩ (E24, E96 series)	-55 to +155	YES
						J (±5%)	±400	1Ω to 9.1Ω (E24 series)		
							±200	10Ω to 10MΩ (E24 series)		
						F (±1%)	±100	10Ω to 10MΩ (E24, E96 series)		
						J (±5%)	±400	1Ω to 9.1Ω (E24 series)		
MCR03S	1608 (0603)	0.125	70	—	150		±200	10Ω to 10MΩ (E24 series)		YES
						F (±1%)	±100	10Ω to 10MΩ (E24, E96 series)		
						J (±5%)	±400	1Ω to 9.1Ω (E24 series)		
							±200	10Ω to 10MΩ (E24 series)		
						F (±1%)	±100	10Ω to 2.2MΩ (E24, E96 series)		
MCR10S	2012 (0805)	0.25	70	—	200	J (±5%)	±400	1Ω to 9.1Ω (E24 series)	YES	
							±200	10Ω to 10MΩ (E24 series)		
						F (±1%)	±100	10Ω to 2.2MΩ (E24, E96 series)		
						J (±5%)	±400	1Ω to 9.1Ω (E24 series)		
							±200	10Ω to 10MΩ (E24 series)		
MCR18S	3216 (1206)	0.4	70	—	200		±200	10Ω to 10MΩ (E24 series)	YES	
						F (±1%)	±100	10Ω to 2.2MΩ (E24, E96 series)		
						J (±5%)	±400	1Ω to 9.1Ω (E24 series)		
							±200	10Ω to 10MΩ (E24 series)		
						F (±1%)	±100	10Ω to 2.2MΩ (E24, E96 series)		
☆MCR50S	5025 (2010)	1.5	70	110	200	J (±5%)	±400	1Ω to 9.1Ω (E24 series)	YES	
							±200	10Ω to 10MΩ (E24 series)		

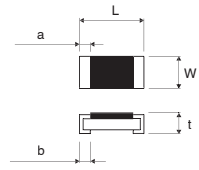
*E24：标准品/E96：订购生产品 ☆：开发中

跳线类型					
Part No.	Size Code mm (inch)	Rated Current (A)	Resistance	Operating Temperature (°C)	Automotive Grade AEC-Q200
MCR01S	1005 (0402)	1.5	50mΩ Max	-55 to +155	YES
MCR03S	1608 (0603)	2			YES
MCR10S	2012 (0805)	2.5			YES
MCR18S	3216 (1206)	2.5			YES
MCR50S	5025 (2010)	4			YES

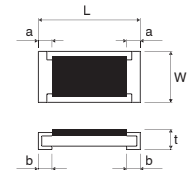
尺寸 (单位：mm)

Part No.	Size Code mm (inch)	L	W	t	a	b
MCR01S	1005 (0402)	1.0±0.05	0.5±0.05	0.35±0.05	0.2±0.1	0.25 ^{+0.05} _{-0.10}
MCR03S	1608 (0603)	1.6±0.1	0.8±0.1	0.45±0.1	0.3±0.2	0.3±0.2
MCR10S	2012 (0805)	2.0±0.1	1.25±0.1	0.55±0.1	0.4±0.2	0.4±0.2
MCR18S	3216 (1206)	3.2 ^{+0.15} _{-0.20}	1.6±0.15	0.55±0.1	0.5±0.25	0.5±0.25
MCR50S	5025 (2012)	5.0±0.15	2.5±0.15	0.55±0.15	0.5±0.25	0.5±0.25

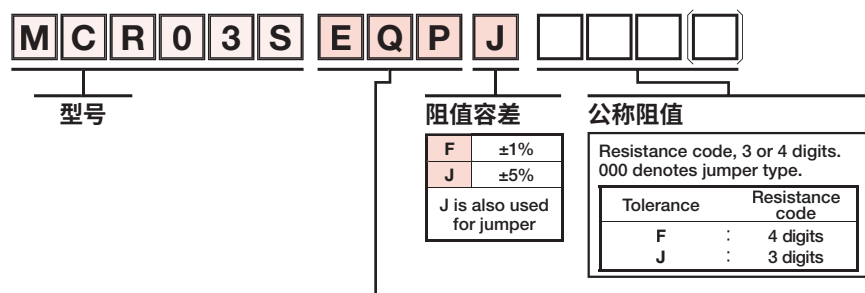
●MCR01S/03S (无标记)



●MCR10S/18S/50S (无标记)



品名构成说明



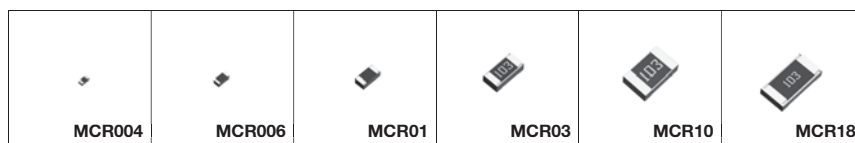
包装规格代码

Part No.	Code	Tolerance		Packaging Specifications	Reel	Basic Ordering Unit (pcs)
		J (±5%)	F (±1%)			
MCR01S	MQP	○	○	Paper tape (2mm Pitch)	φ180mm (7inch)	10,000
MCR03S	EQP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
MCR10S	EQP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
MCR18S	EQP	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
MCR50S	JQP	○	○	Embossed tape (4mm Pitch)	φ180mm (7inch)	4,000

卷轴(φ180mm)：遵循JEITA规格“EIAJ ET-7200B”
○：标准产品

通用贴片电阻器：MCR系列

- 将高可靠性贴片电阻器应用于各种电子产品中
- 提供从01005到1206尺寸的6种封装规格
- 可穿戴式、便携式设备到车载、工业等设备均有广泛采用实绩



MCR系列									
Part No.	Size Code mm (inch)	Rated Power (W) (70°C)	Limiting Element Voltage (V)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Range	Operating Temperature (°C)	Automotive Grade AEC-Q200	
MCR004	0402 (01005)	0.031 (1/32)	15	F (±1%)	±300	10Ω to 97.6Ω (E24, E96 series)	-55 to +125	—	
					±250	100Ω to 3MΩ (E24, E96 series)			
				J (±5%)	+600/-100	1Ω to 9.1Ω (E24 series)			
					±300	10Ω to 91Ω (E24 series)			
MCR006	0603 (0201)	0.05	25	D (±0.5%)	±250	100Ω to 3MΩ (E24 series)		-55 to +125	YES
					±200	97.6Ω (E24, E96 series)			
				F (±1%)	±100	1kΩ to 1MΩ (E24, E96 series)			
					+600/-200	1Ω to 9.1Ω (E24 series)			
MCR01	1005 (0402)	0.063 (1/16)	50	J (±5%)	±100	10Ω to 10MΩ (E24 series)	-55 to +155		YES
					+500/-250	1Ω to 9.1Ω (E24 series)			
				D (±0.5%)	±200	10Ω to 10MΩ (E24 series)			
					±100	10Ω to 97.6Ω (E24, E96 series)			
MCR03	1608 (0603)	0.1	50	F (±1%)	±50	100Ω to 1MΩ (E24, E96 series)		-55 to +155	YES
					±400	1Ω to 9.1Ω (E24 series)			
				J (±5%)	±100	10Ω to 10MΩ (E24 series)			
					+600/-200	1Ω to 9.1Ω (E24 series)			
MCR10	2012 (0805)	0.125	150	D (±0.5%)	±100	10Ω to 97.6Ω (E24, E96 series)	-55 to +155		YES
					±50	100Ω to 1MΩ (E24, E96 series)			
		0.1		F (±1%)	±100	10Ω to 2.2MΩ (E24, E96 series)			
					±400	1Ω to 9.1Ω (E24 series)			
MCR18	3216 (1206)	0.25	200	J (±5%)	±200	10Ω to 10MΩ (E24 series)		-55 to +155	YES
					±100	10Ω to 97.6Ω (E24, E96 series)			
		0.125		D (±0.5%)	±50	100Ω to 1MΩ (E24, E96 series)			
					±100	10Ω to 2.2MΩ (E24, E96 series)			

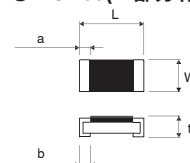
*E24：标准品/E96：订购产品

跳线类型					
Part No.	Size Code mm (inch)	Rated Current (A)	Resistance	Operating Temperature (°C)	Automotive Grade AEC-Q200
MCR004	0402 (01005)	0.5	50mΩ Max	-55 to +125	—
MCR006	0603 (0201)	0.5			YES
MCR01	1005 (0402)	1		-55 to +155	YES
MCR03	1608 (0603)	1			YES
MCR10	2012 (0805)	2			YES
MCR18	3216 (1206)	2			YES

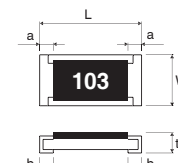
尺寸 (单位：mm)

Part No.	Size Code mm (inch)	L	W	t	a	b
MCR004	0402 (01005)	0.4±0.02	0.2±0.02	0.13±0.02	0.1±0.03	0.1 ±0.03
MCR006	0603 (0201)	0.6±0.03	0.3±0.03	0.23±0.03	0.1±0.05	0.15±0.05
MCR01	1005 (0402)	1.0±0.05	0.5±0.05	0.35±0.05	0.2±0.1	0.25 ^{+0.05} _{-0.10}
MCR03	1608 (0603)	1.6±0.1	0.8±0.1	0.45±0.1	0.3±0.2	0.3 ±0.2
MCR10	2012 (0805)	2.0±0.1	1.25±0.1	0.55±0.1	0.4±0.2	0.4 ±0.2
MCR18	3216 (1206)	3.2±0.15	1.6±0.15	0.55±0.1	0.5±0.25	0.5 ±0.25

- MCR004/006/01(无标记)
- MCR03(一部分有标记)



- MCR10/18



品名构成说明

M	C	R	0	0	6	Y	L	P	F	L					
型号						阻值容差		特殊品名代码				公称阻值			
						D	±0.5%	L1Ω to 9.1Ω (MCR006/01/03 F Class only)				Resistance code, 3 or 4 digits. 000 denotes jumper type.			
						F	±1%	X*±100ppm/°C							
						J	±5%	*MCR03 F Class only							
						J is also used for jumper									
								Tolerance		Resistance code					
								D, F		: 4 digits					
								J		: 3 digits					

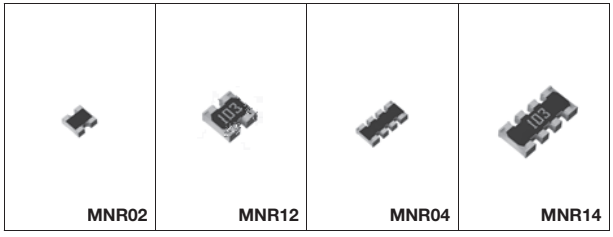
包装规格代码

Part No.	Code	Tolerance			Packaging Specifications	Reel	Basic Ordering Unit (pcs)
		J (±5%)	F (±1%)	D (±0.5%)			
MCR004	QLP	○	○	—	Paper tape (2mm Pitch)	φ180mm (7inch)	20,000
MCR006	YLP	○	○	○	Paper tape (2mm Pitch)	φ180mm (7inch)	15,000
MCR01	MZP	○	○	○	Paper tape (2mm Pitch)	φ180mm (7inch)	10,000
MCR03	EZP	○	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
MCR10	EZP	○	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
MCR18	EZP	○	○	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000

卷轴(φ180mm)：遵循JEITA规格“EIAJ ET-7200B”
○：标准产品

贴片排阻：MNR系列(0402尺寸×2~0603尺寸×4)

- 成本降低
采用排阻减少安装次数，并可节省安装空间
- 焊脚检查方便
凸型电极有助于对焊脚进行目测检查
上述检查可以采用自动检测工具

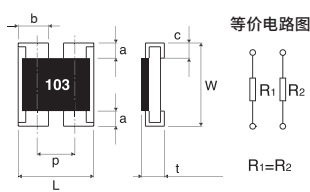


MNR系列(0402尺寸×2~0603尺寸×4)										
Part No.	Size Code mm (inch)	No. of Terminals	No. of Elements	Rated Power (W) (70°C)	Limiting Element Voltage (V)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Range	Operating Temperature (°C)	Automotive Grade AEC-Q200
MNR02	1005 (0402)×2	4	2	0.063/Element	25	J (±5%)	±200	10Ω to 1MΩ (E24 series)	-55 to +155	YES
MNR04	1005 (0402)×4	8	4	0.063/Element	25	J (±5%)	+500/-250 ±200	1Ω to 9.1Ω (E24 series) 10Ω to 1MΩ (E24 series)		YES
MNR12	1608 (0603)×2	4	2	0.063/Element	50	J (±5%)	±200	10Ω to 1MΩ (E24 series)		YES
MNR14	1608 (0603)×4	8	4	0.063/Element	50	J (±5%)	±500 ±200	2.2Ω to 6.8Ω (E6 series) 10Ω to 1MΩ (E24 series)		YES

跳线类型					
Part No.	Size Code mm (inch)	Rated Current	Resistance	Operating Temperature (°C)	Automotive Grade AEC-Q200
MNR02	1005 (0402)×2	1A/Element	50mΩ Max	-55 to +155	YES
MNR04	1005 (0402)×4	1A/Element			YES
MNR12	1608 (0603)×2	1A/Element			YES
MNR14	1608 (0603)×4	1A/Element			YES

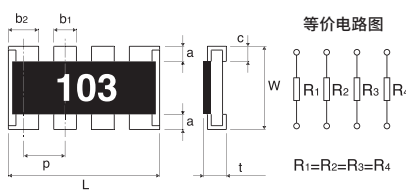
尺寸 (单位: mm)

●MNR02/MNR12 (MNR02无标记)
标记方法有所不同。



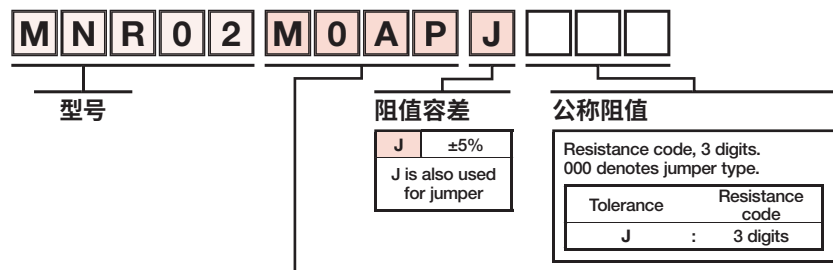
Part No.	L	W	t	a	b	c	p
MNR02	1.0±0.1	1.0±0.1	0.35±0.1	0.2±0.1	0.33 ^{+0.1} _{-0.05}	0.25±0.1	0.68
MNR12	1.6±0.1	1.6±0.1	0.5±0.1	0.3±0.2	0.6±0.15	0.25±0.15	0.8

●MNR04/MNR14 (MNR04无标记)
标记方法有所不同。



Part No.	L	W	t	a	b ₁	b ₂	c	p
MNR04	2.0±0.1	1.0±0.1	0.35±0.1	0.2±0.1	0.3±0.1	0.4±0.1	0.25±0.1	0.5
MNR14	3.2±0.1	1.6±0.1	0.5±0.1	0.3±0.2	0.4±0.15	0.6±0.15	0.25±0.15	0.8

品名构成说明



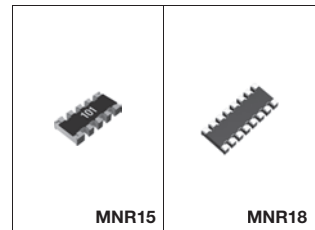
包装规格代码

Part No.	Code	Tolerance J (±5%)	Packaging Specifications	Reel	Basic Ordering Unit (pcs)
MNR02	M0AP	○	Paper tape (2mm Pitch)	φ180mm (7inch)	10,000
MNR04	M0AP	○	Paper tape (2mm Pitch)	φ180mm (7inch)	10,000
MNR12	E0AP	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
MNR14	E0AP	○	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000

卷轴(φ180mm)：遵循JEITA规格“EIAJ ET-7200B”
○：标准产品

8个元件内置型贴片排阻：MNR系列(0603尺寸×5~0602尺寸×8)

- 8个元件内置于一个封装中，有助于节省空间、降低成本
- 采用凸型电极有助于对焊脚进行目测检查，上述检查可采用自动检测工具
- 适用于上拉电阻和阻尼电阻
- 无方向性，防止发生错误安装



MNR系列(0603尺寸×5~0602尺寸×8)										
Part No.	Size Code mm (inch)	No. of Terminals	No. of Elements	Rated Power (W) (70°C)	Limiting Element Voltage (V)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Range	Operating Temperature (°C)	Automotive Grade AEC-Q200
MNR15	1608 (0603)×5	10	8	0.031/Element	12.5	J (±5%)	±200	56Ω to 100kΩ (E24 series)	-55 to +125	YES
MNR18	1605 (0602)×8	16	8	0.063/Element*	25	J (±5%)	±200	10Ω to 1MΩ (E24 series)		YES

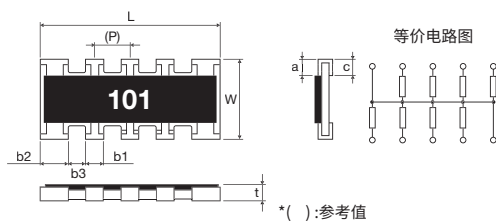
*但不得超过0.25W

跳线类型					
Part No.	Size Code mm (inch)	Rated Current	Resistance	Operating Temperature (°C)	Automotive Grade AEC-Q200
MNR18	1605 (0602)×8	1A/Element*	50mΩ Max	-55 to +125	YES

*但不得超过4A

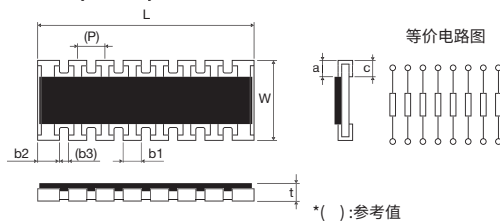
尺寸 (单位：mm)

●MNR15



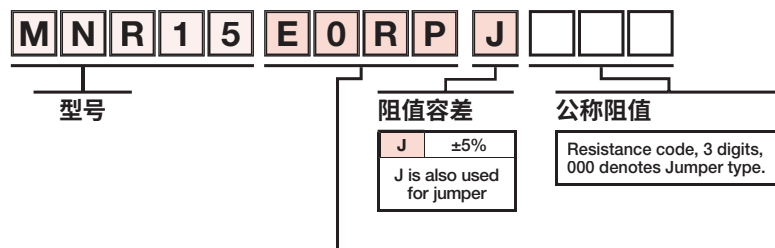
Part No.	L	W	t	a	b1	b2	b3	c	(P)
MNR15	3.2±0.1	1.6±0.1	0.5±0.1	0.3±0.2	0.32±0.15	0.48±0.15	0.32±0.15	0.3±0.2	(0.64)

●MNR18(无标记)



Part No.	L	W	t	a	b1	b2	(b3)	c	(P)
MNR18	3.8±0.1	1.6±0.1	0.45±0.1	0.3±0.2	0.3±0.1	0.3±0.1	(0.2)	0.3±0.2	(0.5)

品名构成说明



包装规格代码

Part No.	Code	Tolerance J (±5%)	Packaging Specifications	Reel	Basic Ordering Unit (pcs)
MNR15	E0RP	◎	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000
MNR18	E0AP	◎	Paper tape (4mm Pitch)	φ180mm (7inch)	5,000

卷轴(φ180mm)：遵循JEITA规格“EIAJ ET-7200B”
◎：标准产品

小型贴片电阻器(RAS MID™系列)

超小型 贴片电阻器：SMR003(009005尺寸)

- 采用自有工艺技术，实现高精度
- 贴片尺寸精度从±20μm提高到±10μm
- 采用金电极，提高润湿性、可靠性

*该产品1个卷轴的基本订货数量为40,000个，并且设有最低订货批次数。详情请垂询本公司。



SMR003 <009005尺寸>								
Part No.	Size Code mm (inch)	Rated Power (W) (70°C)	Limiting Element Voltage (V)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Range	Operating Temperature (°C)	Automotive Grade AEC-Q200
SMR003	03015 (009005)	0.02	10	F (±1%)	±200	10 to 1MΩ (E24, E96 series)	-55 to +125	—
				J (±5%)		10 to 1MΩ (E24 series)		

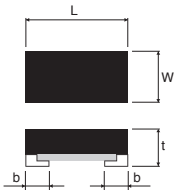
*E24：标准品/E96：订购产品

跳线类型					
Part No.	Size Code mm (inch)	Rated Current (A)	Resistance	Operating Temperature (°C)	Automotive Grade AEC-Q200
SMR003	03015 (009005)	0.5	50mΩ Max	-55 to +125	—

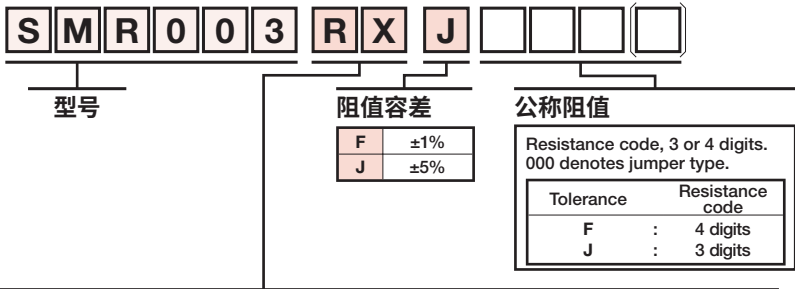
尺寸 (单位：mm)

Part No.	Size Code mm (inch)	L	W	t	a	b
SMR003	03015 (009005)	0.30±0.01	0.15±0.01	0.11±0.01	—	0.07±0.01

●SMR003



品名构成说明



包装规格代码

Part No.	Code	Tolerance		Packaging Specifications	Reel	Basic Ordering Unit (pcs)
		J (±5%)	F (±1%)			
SMR003	RX	○	○	Embossed tape (1mm Pitch)	φ180mm (7inch)	40,000*

卷轴(φ180mm)：遵循JEITA规格“EIAJ ET-7200B”

○：标准产品

*设有最低订货批次数。详情请垂询本公司。

RAS MID™是ROHM Co., Ltd.的商标或注册商标。

RAS MID™：采用ROHM自有的新工艺，实现小型化，具有高精度尺寸的超小型器件系列。

标准公称阻值等

E3	10				22				47			
E6	10		15		22		33		47		68	
E12	10	12	15	18	22	27	33	39	47	56	68	82
E24	10	11	12	13	15	16	18	20	22	24	27	30
	33	36	39	43	47	51	56	62	68	75	82	91
E96	100	102	105	107	110	113	115	118	121	124	127	130
	133	137	140	143	147	150	154	158	162	165	169	174
	178	182	187	191	196	200	205	210	215	221	226	232
	237	243	249	255	261	267	274	280	287	294	301	309
	316	324	332	340	348	357	365	374	383	392	402	412
	422	432	442	453	464	475	487	499	511	523	536	549
	562	576	590	604	619	634	649	665	681	698	715	732
	750	768	787	806	825	845	866	887	909	931	953	976

■公称阻值

属同一公称范围的系列电阻器如上表所示。

公称阻值由右表所示公比决定。

(关于阻值容差)

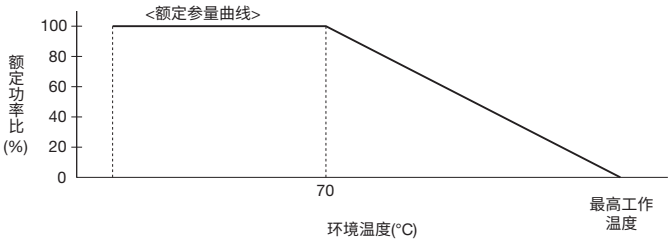
如果阻值容差为±5%，公称阻值用3位数表示；若电阻公差为±0.5%、±1%、±2%，公称电阻用4位数表示。其中前2位或前3位数表示有效数字，后一位表示10的幂数。此外字母R或L表示小数点。

- 例1 22Ω→22×10⁰Ω→22 0 (最后一位数字 "0" 表示10的0次方)
- 例2 47kΩ→47×10³Ω→47 3 (最后一位数字 "3" 表示10的3次方)
- 例3 1.2MΩ→12×10⁵Ω→12 5 (最后一位数字 "5" 表示10的5次方)
- 例4 2.7Ω→2R7 (R表示小数点/对象为小于10Ω的低阻值)
- 例5 1130Ω→113×10¹Ω→113 1 (最后一位数字 "1" 表示10的1次方/阻值容差1%的F级产品)
- 例6 0.10Ω→R10
- 例7 1MΩ→1L0

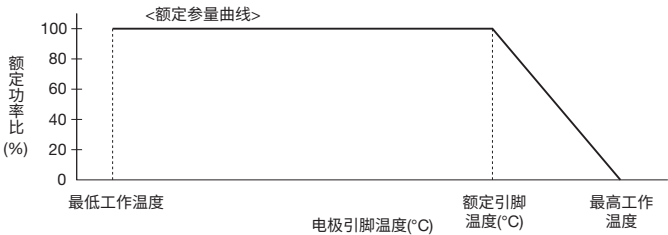
Series	Common ratio	Remarks
E6	$\sqrt[6]{10} \approx 1.46$	Rounded off to a 2-digit figure.
E12	$\sqrt[12]{10} \approx 1.21$	
E24	$\sqrt[24]{10} \approx 1.10$	
E96	$\sqrt[96]{10} \approx 1.02$	Rounded off to a 3-digit figure.

■关于额定功率的补充

·若环境温度超过额定环境温度，则根据额定参量曲线减低负载功率。



·额定环境温度规定
施加电压时的引脚温度超过额定引脚温度时，请根据额定参量曲线降低负载功率。



■补充注释

- *1 若电阻的负载为瞬载(过大负载，如脉冲)，请务必将产品安装于电路板进行性能的评估及确认。若电压持续超过额定电压，则会降低电阻器的性能和可靠性。
请勿将大于电阻器的额定电压加于任何罗姆电阻上。
- *2 额定电压(V)= $\sqrt{\text{额定功率 (W)} \times \text{公称阻值 } (\Omega)}$ 的值或者电路最高电压 (以较小者为准)。

■有关电阻器使用的基本事项，请参见日本电子资讯技术产业学会 (JEITA) 发行的技术报告 JEITA RCR-2121A[电子产品中的固定电阻使用指南 (电子产品中的固定电阻安全使用指南)]