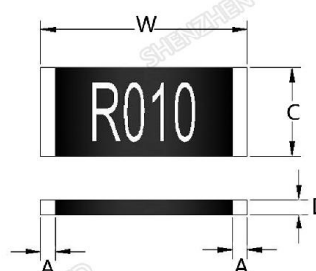


## 电流采样晶片电阻 Ultra Low Ohm Chip Resistors-YLR

### 特征 Features

- ±5%和±2%,±1%精度 Tolerance±5% ±2% or ±1%
- 工作范围  
Operating Temperature Range -65°C ~ 275°C
- 温度系数低  
Temperature Coefficient±75ppm/°C ~ ±100ppm/°C
- 阻值范围Resistance values from 0.5 to 910 m ohm
- 符合ROHS要求 Lead-free
- 特殊规格可以订做  
Customized resistance available

### 结构规格 Construction and Dimensions

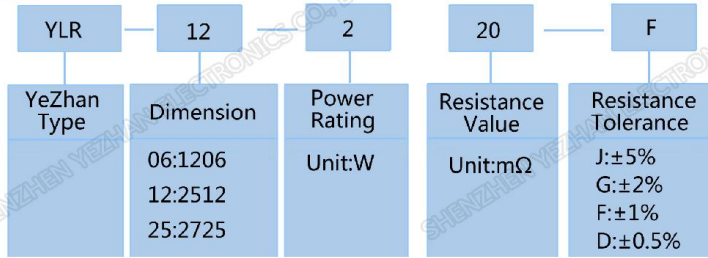


### 标准规格 Standard Electrical Specifications

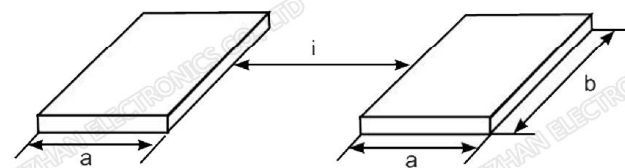
Type	Dimensions-mm				Resistance Range (mΩ)	Power Rating (Watts)
	W	C	D	A		
YLR06	3.1±0.25	1.60±0.25	0.75±0.25	0.7±0.25	1~50	1W
YLR12	6.35±0.25	3.3±0.25	0.85±0.25	1.15±0.25	0.5~79	2W
				0.8±0.25	80~910	
YLR25	7.1±0.25	6.3±0.25	0.85±0.25	1.9±0.25	0.5~1	4W
				1.15±0.25	2~40	



命名规则 Order Information



推荐焊接尺寸 Recommend Solder Pad Dimensions



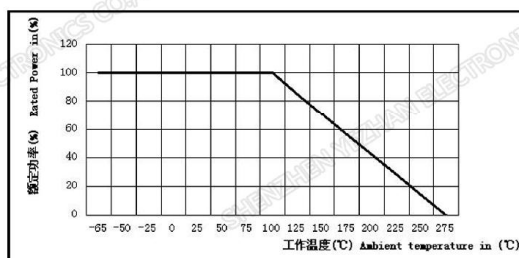
Type	Resistance Range (mΩ)	Power Rating (Watts)	Dimensions-mm		
			a	b	i
YLR06	1~50	1W	1.5	1.95	0.8
YLR12	0.5~4.9	1.5W	3	3.65	1.5
	0.5~79		2.2	3.65	3.14
	80~200		1.9	3.65	3.6
	0.5~79	2W	2.2	3.65	3.14
	80~910		1.9	3.65	3.6
	0.5~4.9	3W	3	3.65	1.5
5~50	2.2		3.65	3.14	
YLR25	0.5~1	4W	3	7	1.5
	2~40		2.2		3.14

**特殊功率规格 Special power Electrical Specifications**

Type	Dimensions-mm				Resistance Range (mΩ)	Power Rating (Watts)
	L	W	H	T		
YLR06	3.1±0.25	1.60±0.25	0.75±0.25	0.7±0.25	51~100	0.5W
YLR12	6.35±0.25	3.3±0.25	0.85±0.25	1.9±0.25	0.5~4.9	3W
				1.15±0.25	5~50	3W
				0.8±0.25	90~200	1.5W

**耐久性测试 Performance Data**

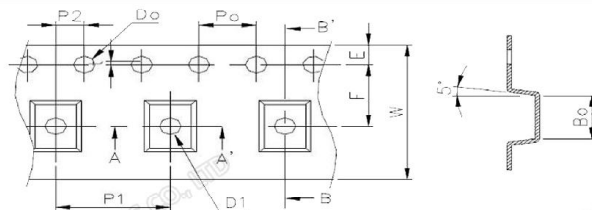
TEST	CONDITIONS OF TEST	Test Method
Thermal Shock	55°C to 125°C , 1000 cycles, 15 min at each extreme	±(1.0%+0.0005Ω)ΔR
Solder ability test	Steam aging:4 hrs, cool down 30 minutes then test	95% coverage
Low Temperature Storage	-65°C for 24 hours	±(0.5%+0.0005Ω)ΔR
High temperature storage	1000 h @ +275°C	±(1.0%+0.0005Ω)ΔR
Short time Overload	5x rated power for 5seconds	±(0.5%+0.0005Ω)ΔR
Bias Humidity	- 85°C , 85% RH, 10% Bias, 1000 hours, 90 minutes"ON",30 minutes "OFF"	±(0.5%+0.0005Ω)ΔR
Mechanical Shock	100 grams for 6 milliseconds, 5 pulses	±(0.5%+0.0005Ω)ΔR
Vibration	Frequency varied 55Hz in one minute , 3 directions ,12 hours	±(0.5%+0.0005Ω)ΔR
Load Life	1000 hours @ rated power, + 100°C , 1.5 hours"ON" ,0.5 hours "OFF"	±(0.5%+0.0005Ω)ΔR
Resistance to Solder Heat	Solder temp./immersion time:260±5°C , 10±1secs and 350±10°C ,3.5±0.5secs	±(0.5%+0.0005Ω)ΔR
Moisture Resistance	Mil-STD-202 , Method 106 , 0% power , 7a and 7b not required	±(0.5%+0.0005Ω)ΔR
Resistance to solvent	Immersion time:60±5 secs,20°C ~ 25 °C	±(0.5%+0.0005Ω)ΔR

**功率曲线 Power Derating**


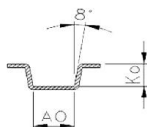


包装 Packaging

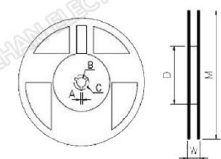
Model	Reel			
	Tape Width	Diameter	Pieces/Reel	Code
YLR06	8mm/Embossd Plastic	178mm/7"	2000	1
			4000	1
YLR12	12mm/Embossd Plastic	178mm/7"	2000	1
			4000	1
YLR25	16mm/Embossd Plastic	178mm/7"	1000	1



SEC: B-B



SEC: A-A'



Unit:mm

Item	W	P1	E	F	D0	D1	P0	P2	A0	B0	K0
YLR06	8.0	4.0	1.75	3.50	1.55	1.00	4.0	2.00	1.83	3.50	1.08
YLR12	12.0	8.0	1.75	5.50	1.55	1.50	4.0	2.00	3.90	6.74	1.08
YLR12	12.0	8.0	1.75	5.50	1.55	1.50	4.0	2.00	6.50	7.25	1.08
Tolerance	±0.3	±0.1	±0.1	±0.05	±0.05	MIN	±0.1	±0.05	±0.1	±0.1	±0.1

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