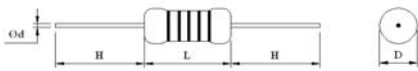


### Feature (特性)

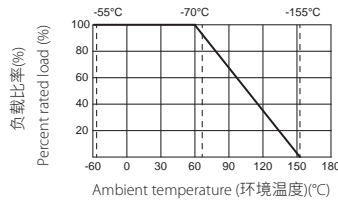
- FWR0/FWRA According to UL1412 UL approved-No.E306074 (Until 3W)  
FWR0/FWRA根据UL1412标准, 产品UL安规认证(认证号:E306074)
- Surge Voltage up to 10KV 浪涌电压可达10KV
- Fuse function 熔断性能
- Rated Voltage up to 250V 额定电压可达250V
- Surge function base on IEC 61000-4-5 浪涌函数基于IEC 61000-4-5
- Excellent Flame Retardant 优异的阻燃



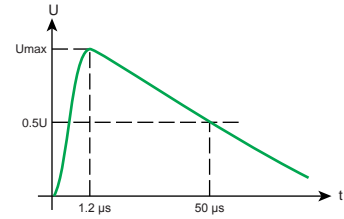
### Dimension(尺寸) mm



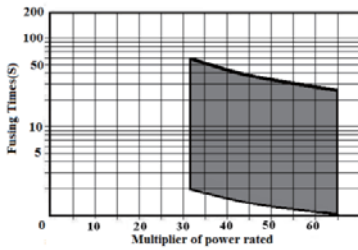
### Derating Curve (降功率曲线)



### Surge Waveform 浪涌波形 (1.2/50 μs)



### Fusing Curve(熔断曲线)



### FWR

Part No 料号	Type 类型	Power Rating 额定功率	Dimension (尺寸)(mm)					Resistance Range 阻值范围
			D±1	L±1	d±0.05	H±3.0	PT	
FWR01S	FWR-100-S	1W-S	3.5	9.5	0.54	28	52	0.47Ω~470Ω
FWR01W/2S	FWR-100 FWR-200-S	1W 2W-S	5.0	12.0	0.70	25	52	0.47Ω~470Ω
FWR02W/3WS	FWR-200 FWR-300-S	2W 3W-S	5.5	16	0.70	28	64	0.47Ω~470Ω
FWR03W	FWR-300	3W	6.5	17.5	0.75	28	64	0.47Ω~470Ω

### FWRA Anti-Surge(FWRA 抗浪涌)

Part No 料号	Type 类型	Power Rating 额定功率	Dimension (尺寸)(mm)					Resistance Range 阻值范围
			D±1	L±1	d±0.05	H±3.0	PT	
FWRA1S	FWRA-100-S	1W-S	3.5	9.5	0.54	28	52	0.47Ω~470Ω
FWRA1W/2S	FWRA-100 FWRA-200-S	1W 2W-S	5.0	12.0	0.70	25	52	0.47Ω~470Ω
FWRA2W/3WS	FWRA-200 FWRA-300-S	2W 3W-S	5.5	16	0.70	28	64	0.47Ω~470Ω
FWRA3W	FWRA-300	3W	6.5	17.5	0.75	28	64	0.47Ω~470Ω
FWRA5S	FWRA-500-S	5W-S	7.2 max	19.5 max	0.80	38	83	10Ω~1k

### FWRA Surge Rating(FWRA 额定浪涌功率)

Type 类型	Low Resistance Range 低阻值范围	Maximum Surge Voltage 最大浪涌电压	Medium Resistance Range 中阻值范围	Maximum Surge Voltage 电大浪涌电压	High Resistance Range 高阻值范围	Maximum Surge Voltage 最大浪涌电压
FWRA-100-S	0.47Ω-40Ω	2KV	43Ω-240Ω	3KV	270Ω-470Ω	4KV
FWRA-100 FWRA-200-S	0.47Ω-50Ω	3KV	51Ω-240Ω	4KV	270Ω-470Ω	5KV
FWRA-200 FWRA-300-S	0.47Ω-100Ω	4KV	110Ω-240Ω	5KV	270Ω-470Ω	6KV
FWRA-300	0.47Ω-100Ω	6KV	110Ω-470Ω	7KV	---	---
FWRA-500-S	10Ω-50Ω	9KV	51Ω-1K	10KV	---	---

### Performance Specification(性能)

Temperature coefficient	温度系数	<20Ω:±400PPM/°C ≥20Ω:±300PPM/°C
Short-time Overload	短时间过负荷	ΔR/R: ≤±(2.0%+0.05Ω)
Dielectric withstanding voltage	绝缘耐压	Dimension 3.5*9.5:350VAC Dimension>3.5*9.5:500VAC
Resistance to Soldering heat	耐焊接热	ΔR/R: ±(1%+0.05 Ω) with no evidence of mechanical damage (无可见机械损伤)
Temperature cycling	温度循环	ΔR/R ≤ ±(2.0%+0.05Ω)
Solderability	可焊性	Min 95% coverage
Fusing	熔断	x32 times within 60sec.
Load life in humidity	湿度寿命	ΔR/R: ±(5%+0.05 Ω) with no evidence of mechanical damage (无可见机械损伤)
Load life	负载寿命	ΔR/R: ±(5%+0.05 Ω) with no evidence of mechanical damage (无可见机械损伤)
Surge Immunity	脉冲测试	ΔR/R ≤±(5.0%+0.05Ω)

### Ordering Procedure (Example: FWRA 1W 5% 10Ω)

订购方式(例如: FWRA 1W 5% 10Ω TB 1000)

