UHV 精密高压高阻电阻器

PRECISION HIGH VOLTAGE AND OHM RESISTOR

特点 FEATURES

- ☐ Resistor value up to 10TΩ 10^{13}Ω） 最高阻值可达 10TΩ(10^{13}Ω)
- ☐ Voltage rating to 14KV. Pulse voltage to 50KV 最高耐压 14KV，脉冲电压 50KV
- ☐ Low noise and voltage coefficient 低噪音，低电压系数
- ☐ TCR as low as ±25ppm/℃ 最好温度系数可达±25ppm/℃

APPLICATION

SML 公司的 UHV 系列电阻适用于一切正常高压高阻应用场所直至高可靠的 X 射线系统。特别应用于电子电力系统，例如高压发生器、精密高压电源、精密分压器等

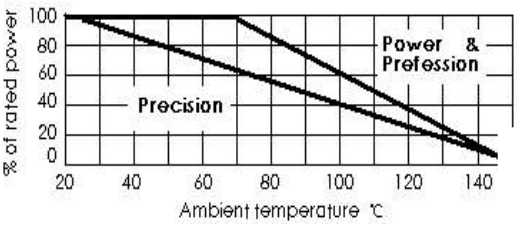
SML Type UHV resistors are suited for all high value and voltage applications from general purpose to highest reliability X-ray systems. Especially for electronical and electrical power system such as high voltage generator, precision high voltage power resource，precision divider.

SML Type	L (Max)	D
UHV1	22mm	5±1mm
UHV2	42mm	5±1mm

SML type	Profession 专业级(pf)				Precision 精密级(pc)			
	Wattage. at 25℃	Working Voltage	TCR ±ppm/℃	Value Range	Wattage at 25℃	Working Voltage	TCR ±ppm/℃	Value Range
UHV1	2W	4000V	100, 1000	5Ω-2GΩ	1W	4000V	25， 50	1K-300MΩ
UHV2	3W	14000V	100, 1000	5Ω-2GΩ	2W	14000V	25， 50	1K-500MΩ
	功 率	工作电压	温度系数	阻值范围	功 率	工作电压	温度系数	阻值范围

SML type	Power 功率级(pw)			
	Wattage. at 25℃	Working Voltage	TCR ±ppm/℃	Value Range
UHV1	3W	3000V	100, 1000	5Ω-1TΩ
UHV2	5W	10000V	100, 1000	5Ω-10TΩ
	功 率	工作电压	温度系数	阻值范围

SML type	Tolerance %精度		
	Profession	Precision	Power
UHV1	1, 5, 10,	1, 2, 5	5, 10
UHV2	1, 5, 10	1, 2, 5	5, 10

PERFORMANCE CHARACTERISTICS

Temperature range	-55-----150℃	温度范围
Voltage coefficient:	≤20ppm/V	电压系数
Load life（1000h）	0.5%	寿命
Insulation resistance	10GΩ	绝缘电阻
Over load	0.5%	过载