

Feature (特性)

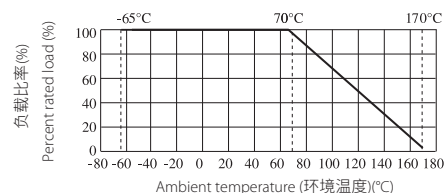
- Electron beam welding 电子束焊接结构
- Ideal for pulse application 耐冲击
- RoHS Compliant 符合RoHS要求
- AEC-Q200 qualified 符合AEC-Q200相关条款

Application (应用)

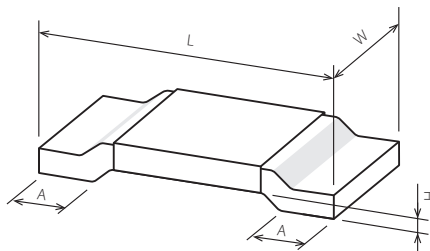
- Frequency conversion drive, servo drive system 变频驱动、伺服驱动系统
- High current battery management system 大电流电池管理系统
- Automobile electronic control unit automobile oil pump drive 汽车电子控制单元、汽车油泵驱动
- DC/DC, DC/AC power modules DC/DC, DC/AC电源模块
- Automatic control system 自动化控制系统
- Industrial instrument and equipment 工业仪器设备



Derating Curve (降功率曲线)



Dimension (尺寸) mm



RA12、RA20、RA30

Type 类型	Size 规格	Power Rating 额定功率	Resistance Range 阻值范围 ±0.5%, ±1%, ±2% ±5%	T.C.R. 温度系数	Dimension (尺寸) (mm)			
					L	W	H	A
RA12	2512	6W	0.2mΩ	±175	6.30±0.20	3.1±0.30	0.50±0.10	1.20±0.20
		6W	0.3mΩ	±175				
		6W	0.5mΩ	±115				
		6W	1mΩ	±100				
		6W	1.2mΩ	±70				
		6W	1.5mΩ	±70				
		6W	2mΩ	±70				
		4W	2.5mΩ	±70				
		4W	3mΩ	±70				
		4W	4mΩ	±70				
		3W	5mΩ	±70				
RA20	3920	12W	0.2mΩ	±200	10.00±0.20	5.10±0.40	0.50±0.10	2.2±0.20
		10W	0.3mΩ	±150				
		9W	0.4mΩ	±100				
		9W	0.5mΩ	±70				
		8W	0.7mΩ	±70				
		7W	1mΩ	±50				
		8W	1mΩ	±50				
		6W	1.5mΩ	±50				
		6W	2mΩ	±50				
		5W	2.5mΩ	±50				
		5W	3mΩ	±50				
		5W	4mΩ	±50				
RA30	5930	5W	5mΩ	±50	15.00±0.30	7.60±0.40	0.50±0.10	4.20±0.30
		15W	0.1mΩ	±200				
		15W	0.2mΩ	±100				
		12W	0.25mΩ	±100				
		10W	0.3mΩ	±100				
		10W	0.35mΩ	±100				
		10W	0.4mΩ	±100				
		10W	0.5mΩ	±75				
		10W	0.6mΩ	±75				
		10W	0.75mΩ	±75				
		9W	1mΩ	±50				

RA30	5930	8W	1.5mΩ	±50	15.00±0.30	7.60±0.40	0.50±0.10	4.20±0.30
		7W	2mΩ	±50				
		7W	2.5mΩ	±50				
		7W	3mΩ	±50				

*其他规格和阻值可特别提供

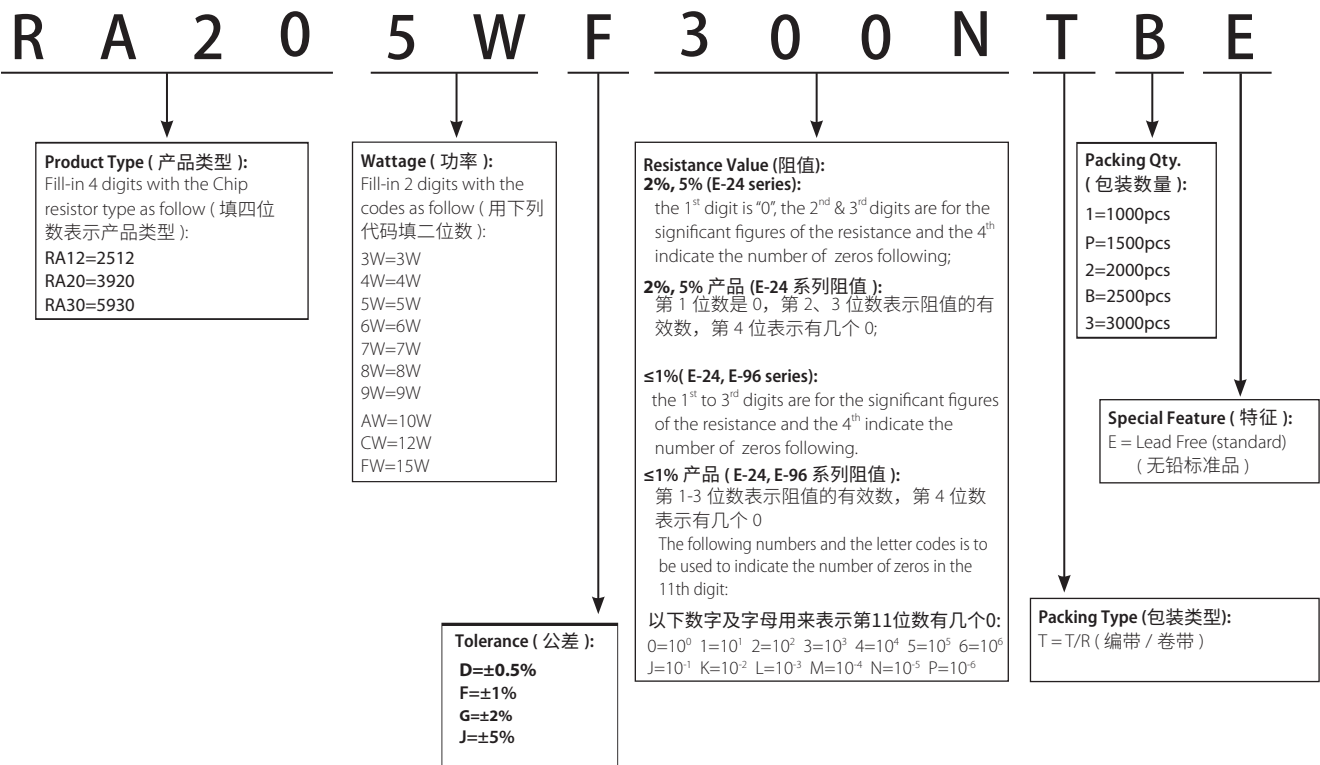
* Special size offered.

Performance Specifications (性能)

Test Item 试验项目	Reference standard 参考标准	Test Methods 试验方法	Evaluation Criteria 判定标准
Short Time Overload 短时间过负荷	MIL-STD-202 Method 301	5 times of rated power for 5 s 5倍额定功率, 5s	±0.5%
Temperature Cycling 温度循环	JESD22 Method JA-104	-55°C ~ +150°C, 1000Cycles 155~+150°C, 1000个循环	±0.5%
High Temperature Exposure 高温存储	MIL-STD-202 Method 108	100hrs.@T=170°C, Unpowered 170°C, 不通电, 1000小时	±0.5%
Biased Humidity 偏置湿度	MIL-STD-202 Method 103	1000 hours 85°C/85%RH. Note: Specified conditions:10% of operating power. Measurement at 24±4 hours after test conclusion. 在温度85 °C, 湿度85%的条件下放置1000 小时。 注意: 指定条件: 工作功率的10%, 试验结束后24±4 小时内进行测试。	±0.5%
Operational Life 工作寿命	MIL-STD-202 Method 108	Condition D Steady State TA=125°C at rated power.Measurement at 24±4 hours after test conclusion. 条件D, 稳定状态TA=125°C, 额定功率。实验结束后24±4 小时内进行测试。	±0.5%
Solderability 可焊性	J-STD-002C	245°C±5°C, 5s±0.5s	95% Coverage Min 95%覆盖率
Resistance to Soldering Heat 耐焊接热	MIL-STD-202 Method 210	250°C±5°C, 30s±5s	±0.5%
Board Flex 板弯曲	AEC-Q200-005 REV A	Bending 2mm.for 60 ±5 Sec. 弯曲3mm保持60 ±5秒	±0.5%

Ordering Procedure (Example: RA20 5W 1% 3mΩ T/R-2500)

订购方式 (例如: RA20 5W 1% 3mΩ T/R-2500)



Remark: For more details, please check page 190, Part No. System. 注: 更多细节详见P190标准料号系统。