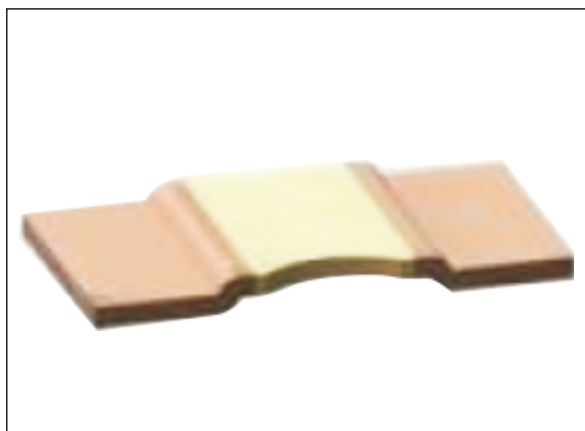


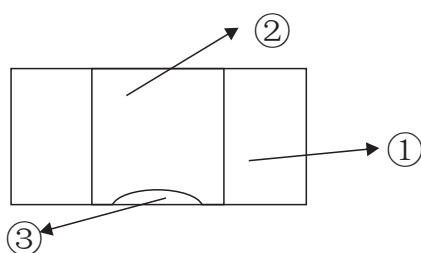
FSR 分流贴片电阻器



● 应用 Applications

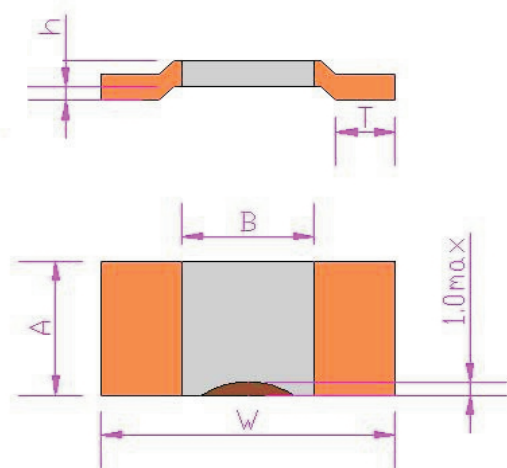
- .混合应用的电源电流传感器
Current sensor for power hybrid applications
- .变频器 Frequency converters
- .电源模块 Power modules
- .通讯系统 Communication system
- .自动化控制电源 Automatic control power supply
- .汽车市场的高电流应用
High current applications for the automotive market

● 结构图 Construction



①	②	③
Elicited end 电阻引出端	Alloy Material 铜镍合金	Trimming Area 阻值调整

● 尺寸 Dimensions



型号 Type	编号 Type	功率 (W)	尺寸(mm)				
			$W \pm 0.2$	$A \pm 0.4$	$B \pm 0.3$	$T \pm 0.2$	$h \pm 0.1$
FSR	2512	3	6.30	3.10	3.0	1.2	0.5
	3920	4	10.0	5.10	4.5	2.2	0.5
	5930	5	15.0	7.60	5.1	4.2	0.5

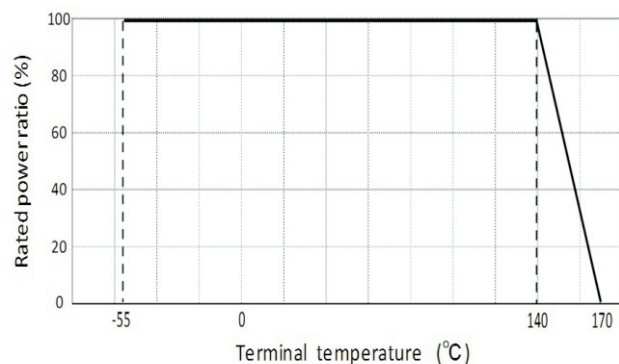
● 功率、阻值范围与耐电压 Power And Resistance etc

型号 Type	编号 Type	额定功率 Rated Power(W)	阻值范围 Resistance Range(mΩ)	温度系数 $T CR^*$ ppm/°C	精度范围 Tolerance Range	使用温度 Operating Temperatuer Range
FSR	2512	3	0.3~3mΩ	±50~±150	J: ±5%	-55°C ~ 250°C
	3920	4	0.3~3mΩ	±75~±175	G: ±2%	
	5930	5	0.2~2mΩ	±75~±225	F: ±1% D: ±0.5%	

功率曲线图 Power Derating

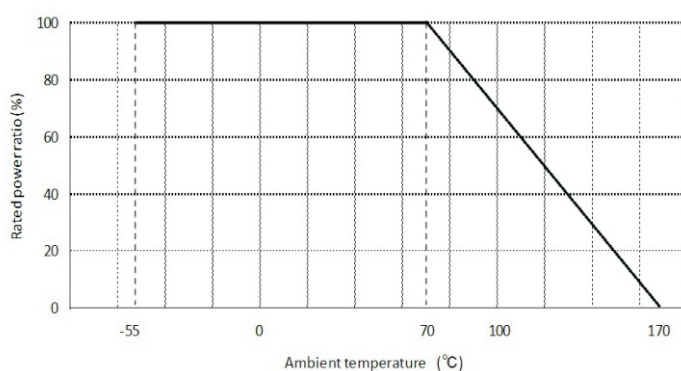
.FSR 2512

When the terminal temperature exceeds 140° C, power dissipation must be adjusted according to the derating curves below.

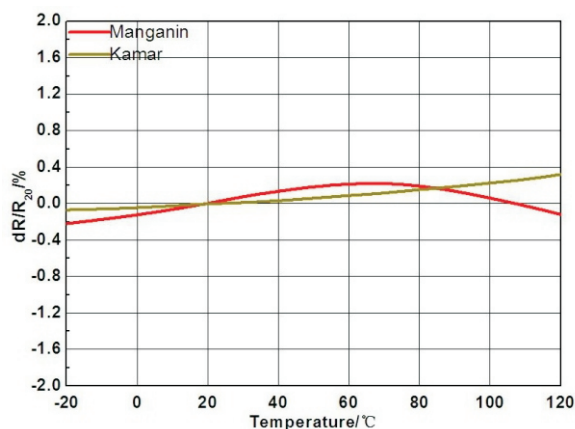


.FSR 3920 FSR 5930

When the ambient temperature exceeds 70° C, power dissipation must be adjusted according to the derating curves below.

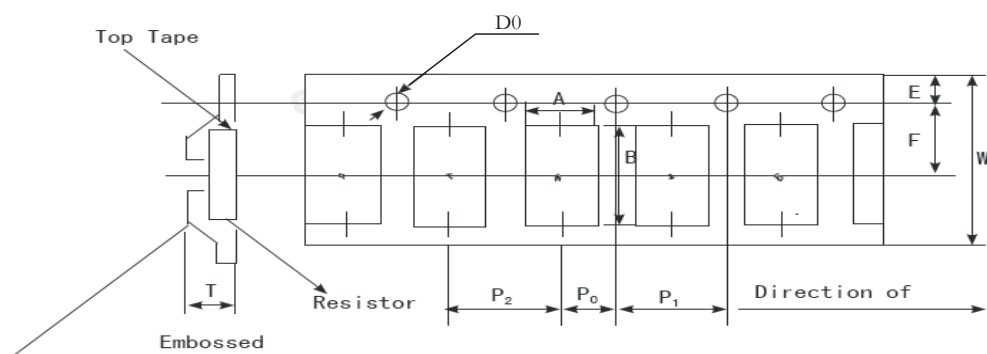


温度系数曲线图 TCR Derating



包装Packaging

Embossed plastic Tape Specifications



Unit: mm

Size	A	B	W	E	F	P ₀	P ₁	P ₂	D ₀	T	Quantity
2512	4.3	7.6	16	1.55	7.5	3.85	7.7	7.7	1.50	1.7	1000
3920	6	11	24	1.55	11.2	6	12	12	1.50	2.0	2500
5930	8.6	16	24	1.55	10.8	6	12	12	1.50	2.4	2000

FSR 分流贴片电阻器

● 产品性能 Property

TEST	CONDITIONS OF TESE	CONDITIONS OF TESE
Thermal Shock	-55℃ to150℃ , 1000cycles, 15min at each extreme	± (1.0%+0.0005Ω)△R
Shot time overload	5xrated power for 5 s	
Low temperature storage	-65℃ for 45 min	
High temperature exposure	1000 h at +170℃	
Bias humidity	+ 85℃ , 85%RH, 10%bias, 1000h	
Mechanical shock	100 g, s for 6 ms, 5 pulses	
Vibration	Frequency varied 10 Hz to 200 Hz in 1min,3 directions,12h	
Load life	1000h at +70℃ , 1.5h “ON” , 0.5h “OFF”	
Resistance to solder heat	+260℃ solder, 10s to 12s dwell, 25mm/s emergence	
Moisture resistance	MIL-STD-202,method 106,0% power,7a and 7b not required	

● 料号编号 Ordering Information

例 example

FSR	3	3	J	T
产品名称 Name	功率 Power	阻值 mohm	精度 Tol	包装方式 Packaging
FSR	3: 2512 4: 3920 5: 5930	Resistance Range (mohms)	F= ± 1% G= ± 2% J= ± 5%	T:编带Tape