



### 特點

- 1.適用於需要保護的各種電路基板及設計。
- 2.不燃性瓷殼結構，具高耐濕及絕緣特性。
- 3.高電阻值採用金屬氧化皮膜體代替繞線方式。
- 4.絕佳之耐脈衝特性及精確之熔斷效果。

### Features

- 1.It is suitable for protecting circuit boards.
- 2.Flameproof construction in a ceramic case, resistant to humidity and insulation.
- 3.In high resistance value, the winding cores will be replaced by power film cores.
- 4.Excellent anti-surge characteristics and accurate fusibility.

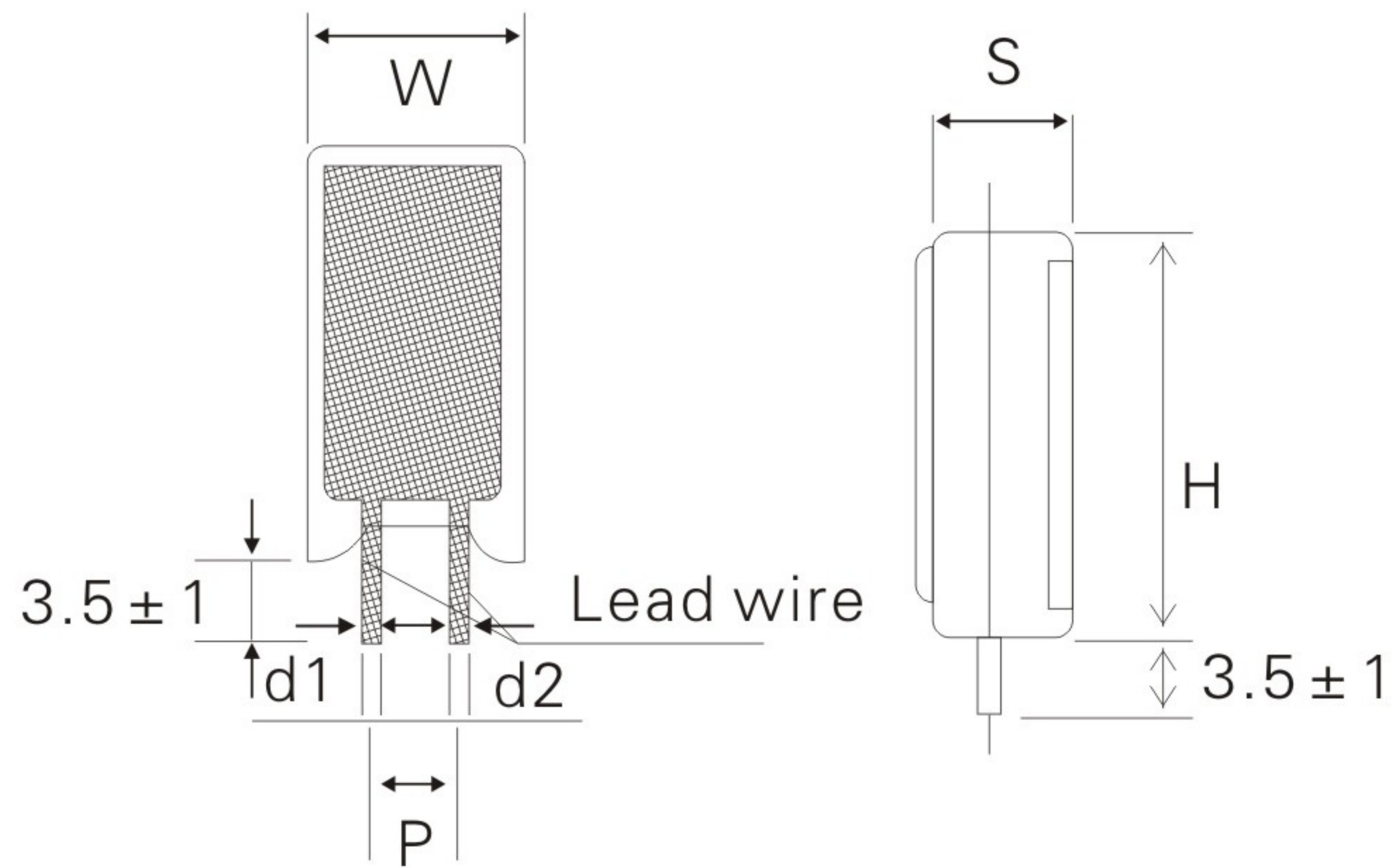
### 電氣及機械特性 ELECTRICAL AND MECHANICAL PERFORMANCE

特性 Characteristics	規格值 Standards	試驗方法 Test Methods
阻值容許誤差 Resistance Tolerance	± 5% (J)	-
溫度系數 Resistance Temp. Coeff.	± 300 ppm/°C; < 1Ω: ± 600 ppm/°C	-
額定負載 Power Rating Load	Surface temp. 130°C Max. 最高表面溫度 130°C, ΔR/R ≤ ± 1%	Rated voltage for 30 minutes 額定電壓/30分鐘
短時間過負載 Short Time Overload	± 2%	10 times of rated wattage for 5 seconds. 10 倍額定功率/5秒
耐電壓 Dielectric Withstanding Voltage	No evidence of mechanical damage or insulation breakdown. 無機械性能損壞及絕緣擊穿現象	AC 1000V for 1 minutes 施加 AC 1000V 電壓1分鐘
絕緣電阻 Insulation Resistance	1,000MΩ	DC 500V megger
端子強度 Terminal Strength	No evidence of mechanical damage 無機械性能損壞現象	4.5kg
焊錫性 Solder- ability	Minimum 95% coverage 焊錫面積 ≥ 95%	235 ± 5°C for 2 seconds
浸錫耐熱性 Resistance to Soldering Heat	No evidence of mechanical damage. 無機械性能損壞現象, ΔR/R ≤ ± 1%	265 ± 5°C for 10 ± 1 seconds

### 耐環境特性 ENVIRONMENTAL CHARACTERISTICS

特性 Characteristics	規格值 Standards	試驗方法 Test Methods
溫度週率 Temp. Cycle	ΔR/R ≤ ± 1%	-25°C (1 hrs.) → Room Temp. (2 hrs.) → +Operating temp. (1 hrs.) → Room Temp. (2 hrs.) / (5 cycles)
負載壽命 Load Life	ΔR/R ≤ ± 5%	Rated power load 90 minutes ON 30 minutes OFF 70°C 1000 hours
耐濕壽命 Moisture-proof Load Life	ΔR/R ≤ ± 5%	Rated power load 90 minutes ON 30 minutes OFF 40°C 95% RH 500 hours
不燃性 Nonflammability	not flamed	16 times of rated wattage for 5 min

尺寸 Dimensions

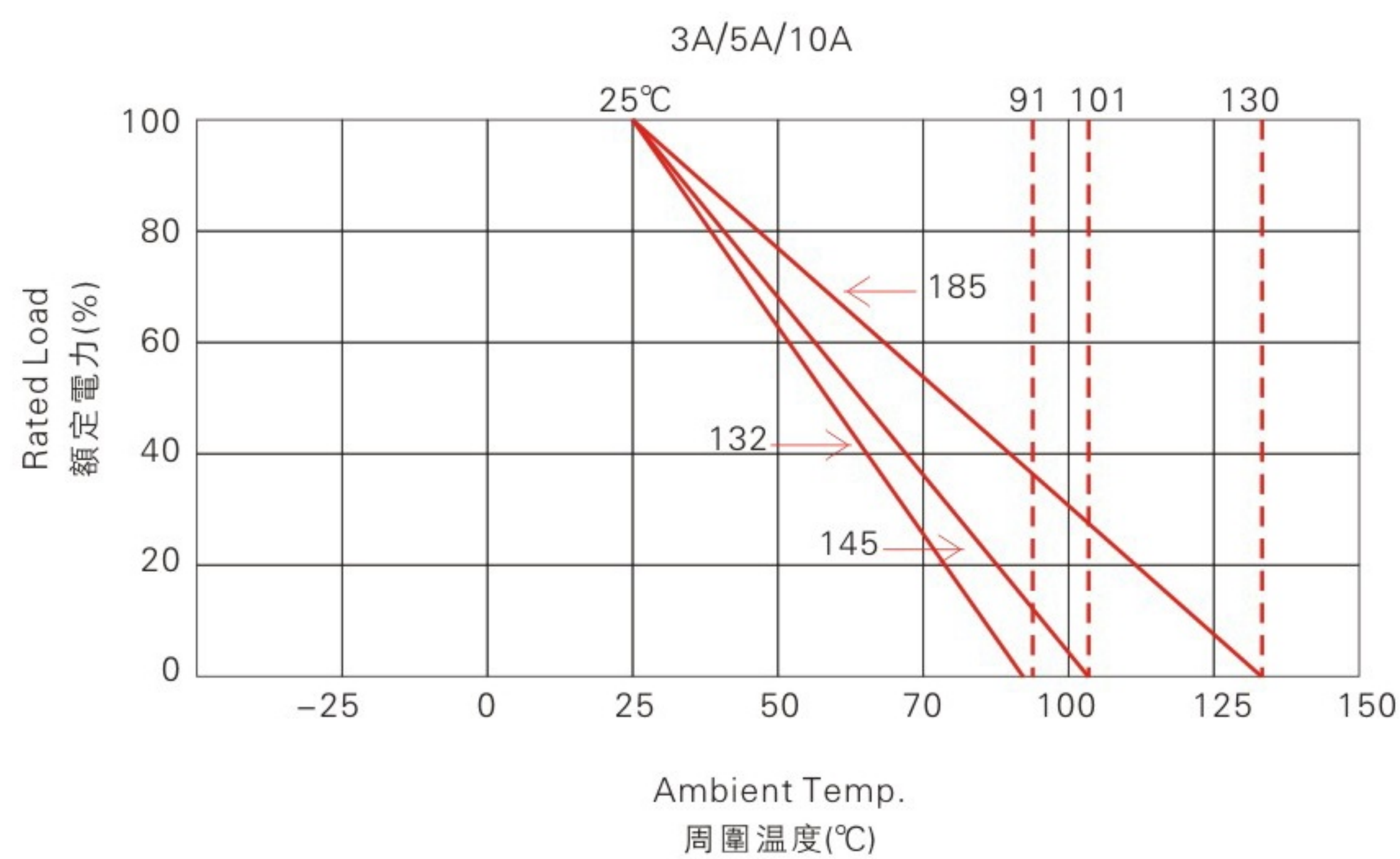


Unit: mm

Rated Wattage	$W \pm 1$	$S \pm 1$	$H \pm 1.5$	$P+2/-1$	$d1 \pm 0.1$	$d2 \pm 0.1$	Resistance Range( $\Omega$ )
SQF3	12	8	25	5	0.8	2A : 0.6	0.1~50K
SQF5	13	9	25	5	0.8	3A : 0.6	0.1~50K
SQF7	13	9	39	5	0.8	5A : 1.0	0.1~50K
SQF10S	16	12	35	7.5	0.8	10A : 1.0	0.1~50K
SQF10	20Max.	9	25Max.	12.5	0.8	0.8	0.1~50K

電力輕減曲綫 Derating Curve

For resistors operated in ambient temperatures above 25°C , power rating must be derated in accordance with the curve below.



Rated Current	Rated Functioning Temperature	Rated Wattage				
		SQF3	SQF5	SQF7	SQF10	SQF10S
3A	145°C	1.6W	1.6W	2.2W	3.2W	2.5W
5A	145°C	1.6W	1.6W	2.2W	3.2W	2.5W
10A	132°C	1.6W	1.6W	2.2W	3.2W	2.5W
10A	185°C	2.1W	2.1W	2.4W	4.2W	3.5W