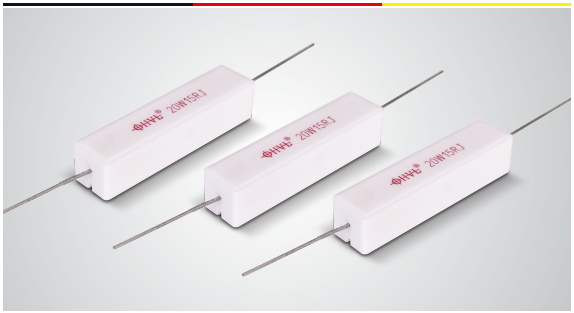
# SQP

## 电阻 RESISTORS

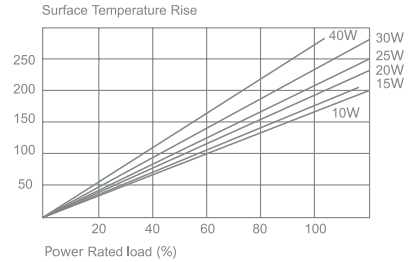


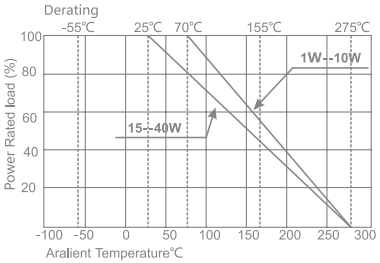
## HIGHLIGHTS

- Small in size and with high durability.
- A good quality resistor for cost efficient application on PCB based crossovers.

## CONSTRUCTION


## CURVE DIAGRAM

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## DIMENSIONS

UNIT: millimeter

| TYPE | L±1 | W±0.5 | H±0.5 | d±0.02 |
|---|---|---|---|---|
| 1W | 12 | 6 | 6 | 0.6 |
| 2W | 18 | 7 | 7 | 0.7 |
| 3W | 22 | 8 | 8 | 0.7 |
| 5W | 22 | 10 | 10 | 0.8 |
| 7W | 35 | 10 | 10 | 0.8 |
| 10W | 48 | 10 | 10 | 0.8 |
| 15W | 48 | 12.5 | 12.5 | 0.8 |
| 20W A(20WB) | 60 (63) | 14 (12.5) | 14 (12.5) | 1.0 |
| 30W | 64 | 16 | 16 | 1.0 |

## POWER CHARACTERISTIC

| POWER RATED / ITEM | 1W | 2W | 3W | 5W | 7W | 10W | 15W | 20W |
|---|---|---|---|---|---|---|---|---|
| Max working Voltage | 350V | 350V | 500V | 750V | 1000V | 1000V | 1000V | 1000V |
| Max overload Voltage | 700V | 700V | 1000V | 1500V | 1500V | 1500V | 1500V | 1500V |
| Max intermittence overload voltage | 1000V | 1000V | 1000V | 1000V | 1000V | 1000V | 1000V | 1000V |
| Dielectric withstanding voltage | 1000V | 1000V | 1000V | 1000V | 1000V | 1000V | 1000V | 1000V |
| Resistance tolerance | ±5% J | ±5% J | ±5% J | ±5% J | ±5% J | ±5% J | ±5% J | ±5% J |

## PERFORMANCE

| TEST CHARACTERISTICS | PERFORMANCE REQUIREMENT |
|---|---|
| Temperature coefficient of resistance | ≥ 20Ω≤±350ppm/℃ < 20Ω≤±400ppm/℃ |
| Overload | △R≤ ±(5%R+0.05)<br>No visible damage and the marking shell be legible |
| Voltage proof | No breakdown or flashover |
| Intermittent Overload | △R≤ ±(2%R+0.05)<br>No visible damage and the marking shell be legible |
| Robustness of terminations | No visible damage |
| Solder ability | The terminations shall be examined for good tinning an evidenced by flowing of the solder with of the terminations . |
| Resistance to soldering beat | △R≤ ±(1%R+0.05)<br>No visible damage and the marking shell be legible |
| Rapid change of temperature | △R≤ ±(2%R+0.05) No visible damage |
| Solvent resistance | No visible damage and the marking shell be legible |
| Moisture resistance | Wire -wound : △R/R≤±5% No visible damage |
| Endurance (load life) | Wire -wound : △R/R≤±5% No visible damage |