

SMD122

Surface mount Resistor

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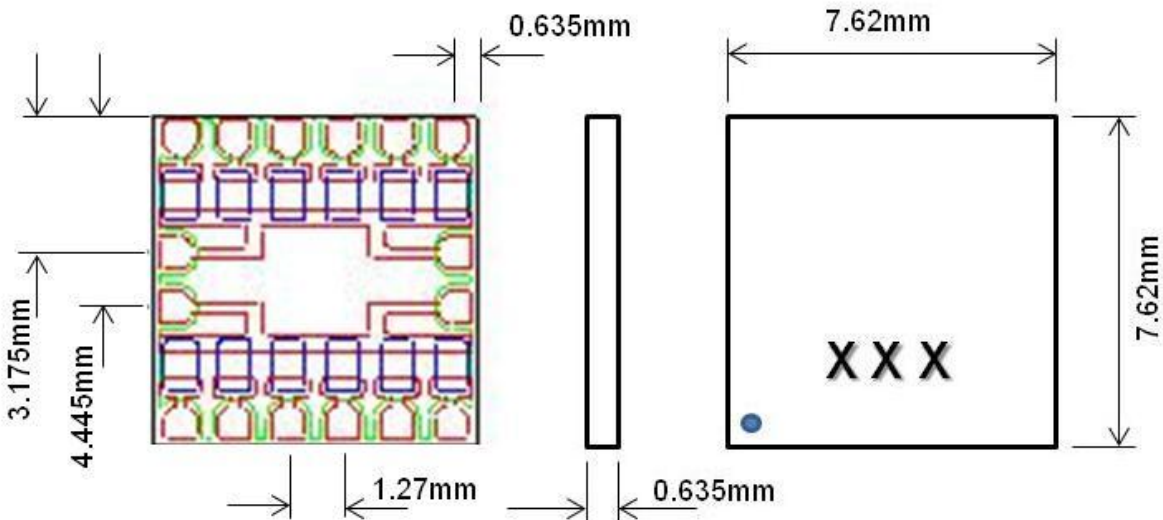
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TSEC manufacture a range of SMD resistor networks which cover a wide range of resistances and a selection of TCRs. Any nominal resistance in each range may be manufactured to low absolute and ratio tolerances.
The SMD resistor networks are designed to be Flip Chip assembled but they may also be Aluminium wire bonded.

Summary

High reliability thick film technology.
2x banks of 6x resistors
Common termination.
2x connection points – each bank.
Max power dissipation (each resistor) 250mW

Mechanical Drawing



Electrical Specification

| | |
|-----------------------------|---|
| Resistor range | 1R100M ±1% Absolute ±0.1% Ratio Match |
| Maximum power dissipation | 250mW each resistor |
| TCR | ±100ppm/°C, ±50ppm/°C, ±25ppm/°C |
| Maximum voltage | 100 VAC / 100 VDC |
| Operating temperature range | -25°C +125°C |
| Derating | Linearly from rated dissipation at 125°C to zero at 125°C |
| Load stability | <1% 1000hrs @ rated power dissipation |
| Termination | Ball Grid Array conductor pads |
| Protection | Overglaze only |