

# SMD121

## Surface mount Resistor

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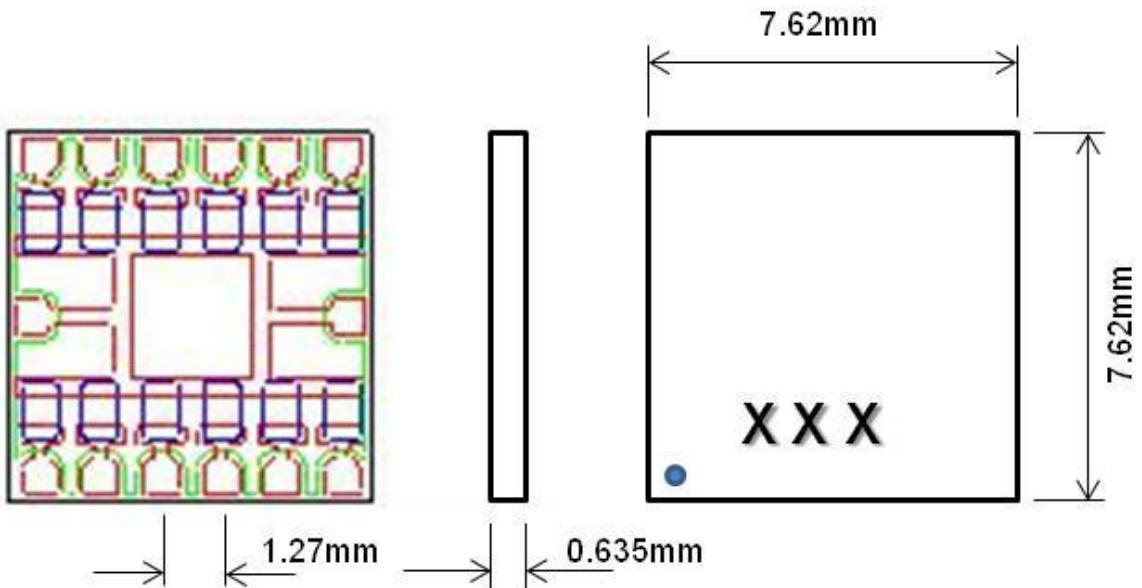
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TSEC manufacture a range of SMD resistor networks which cover a wide range of resistances and a selection of TCRs. Any nominal resistance in each range may be manufactured to low absolute and ratio tolerances.  
 The SMD resistor networks are designed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

### Summary

- High reliability thick film technology.
- 1x banks of 12x resistors
- Common termination.
- 2x connection points .
- Max power dissipation (each resistor) 250mW

### Mechanical Drawing



### Electrical Specification

Resistor range	1R .....100M ±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