

# SMD285

## Surface Mount Resistor

Issue 1.0 November 2011

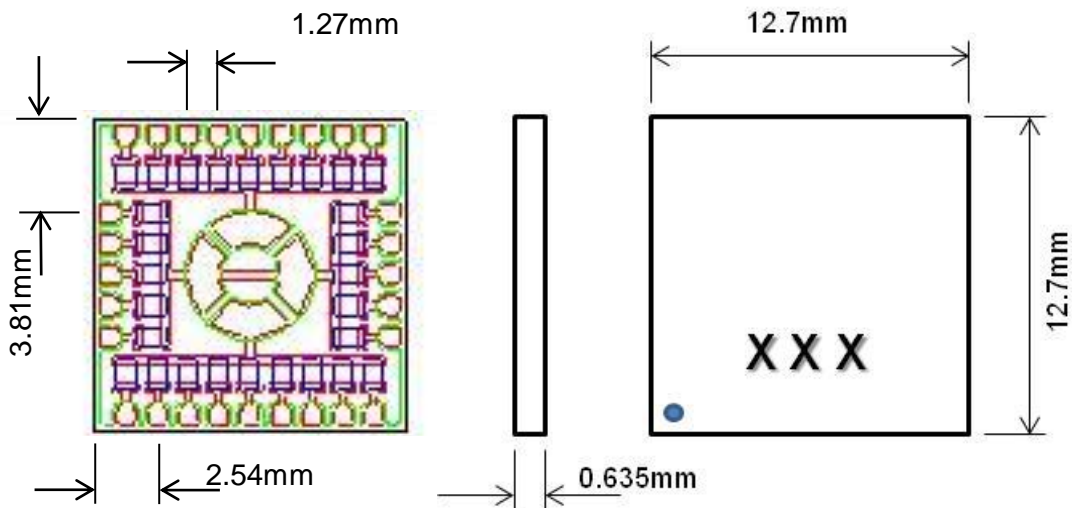
Units 1 - 2, Tanfield Lea South Industrial Estate,  
 Stanley, Co Durham DH9 9XA  
 Telephone : + 44 (0) 1207 230 728 Fax : + 44 (0) 1207 281 860  
 EMail : [sales@tsec.ltd.uk](mailto:sales@tsec.ltd.uk) WEB : [www.tsec.ltd.uk](http://www.tsec.ltd.uk)

TSEC manufacture a range of SMD resistor networks which cover a wide range of resistances and a selection of TCR's. 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 mounted but they may also be Aluminium wire bonded.

### Summary

- High reliability thick film technology.
- 1 banks of 10x Resistors
- 2 banks of 9x Resistors
- Common terminations
- Maximum power dissipation 250mW / resistor

### Typical Layout



### 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	100VAC / 100VDC
Operating temperature range	-25°C ..... 125°C
Derating	Linearly from rated dissipation at 125°C to zero at 125°C
Load stability Dr	<1% 1000hrs @ Rated Power Dissipation
Termination	Ball Grid Array Conductor pads
Protection	Overglaze only

TSEC reserves the right to change specifications on these products without the explicit need to notify customers.