

## TSCM0503 Series (Rev. 1.0)



## Features

- \* ROHS compliant
- \* Compact size
- \* Surface mount

## Product Identification

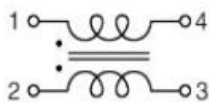
TSCM      0503      -      510      S  
 1              2              3              4

1. Product Code
2. Size Code
3. Inductance: 51uH
4. Control Code

## Dimension &amp; Recommended Pad Layout: [mm]

	Top View	Side View	Bottom View	Layout						
Size Code	A(±0.3)	B(±0.3)	C(±0.3)	D(typ.)	E(typ.)	F(typ.)	G(typ.)	H(typ.)	I(typ.)	J(typ.)
0503	6.0	3.3	3.3	3.1	1.3	5.0	2.7	0.6	1.3	6.4

## Schematic



## Electrical Characteristics

P/N	Inductance Pin(1-4) & (2-3) (uH)	DCR (Ω) max.	IDC (A) max.	Hipot @3mA/1S (VDC)	Rated Voltage (V)	Impedance (Ω)
TSCM0503-110S	11 +50%/-30%	0.18	0.30	250	80	800
TSCM0503-220S	22 +50%/-30%	0.23	0.30	250	80	1500
TSCM0503-330S	33 +50%/-30%	0.27	0.30	250	80	2000
TSCM0503-510S	51 +50%/-30%	0.32	0.30	250	80	2500
TSCM0503-101S	100 +50%/-30%	0.58	0.30	250	80	4000
TSCM0503-471S	470 +50%/-30%	0.95	0.30	250	80	2200

\* Test Condition: @10KHz /0.1V (Ambient temperature: 25°C)

\* IDC: ΔT=40°C Typ.

## Applications

- \* Low current switching power supplies
- \* Telecom applications

## Operating &amp; Storage Condition

- \* Operating Temp. : -40 to +125°C
- \* Storage Temp. : -40 to +80°C
- \* Storage Life Time : 12 Months @25°C , RH 70%

## Test Equipment

- \* Chroma Analyzer Model 3302

## Standard Atmospheric Conditions

- \* Ambient Temp : 20+/-15°C
- \* Relative Humidity : 65+/-20%

