

**TSCM0805T Series ( Rev. 5.0 )**



**Applications**

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

**Operating & Storage Condition**

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

**Test Equipment**

- \* Wayne kerr 3260B/G LCR Meter
- \* Wayne kerr 3265B Bias Current Source \* CH9053

**Features**

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

**Product Identification**

TSCM      0805T      -      472      Y  
 1                      2                      3                      4

1. Product Code
2. Size Code
3. Inductance: 4.7mH
4. Tolerance: Y=±40%

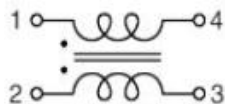
**Standard Atmospheric Conditions**

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

**Dimension & Recommended Pad Layout: [mm]**

	Top View	Side View	Bottom View	Pad Layout						
Size Code	A(±0.5)	B(±0.5)	C(±0.5)	D(±0.5)	E(typ.)	F(typ.)	a(typ.)	b(typ.)	c(typ.)	d(typ.)
0805T	8.8	8.5	5.5	6.2	1.0	7.6	1.85	1.50	6.20	7.65

**Schematic:**



## FCMC0805T Series (Rev. 1.0)

## Electrical Characteristics

Part No.	Inductance Pin(1-4) & (2-3) (uH)	DCR Pin(1-4) & (2-3) (mΩ) max.	IDC (A) max.	Hipot @3mA/1S (VDC)	Impedance (Ω) min.	Freq. Range (MHz)
TSCM0805T-100Y	10	30	4.00	600	100	10~300
TSCM0805T-220Y	22	35	3.80	600	300	10~200
TSCM0805T-470Y	47	40	3.20	600	800	10~100
TSCM0805T-101Y	100	25	3.00	500	100	10~300
TSCM0805T-121Y	120	25	2.50	500	200	10~200
TSCM0805T-201Y	200	15	3.00	500	300	7~150
TSCM0805T-221Y	220	32	2.20	500	350	7~150
TSCM0805T-251Y	250	35	2.00	500	400	5~100
TSCM0805T-471Y	470	65	1.60	500	900	2~40
TSCM0805T-501Y	500	70	1.50	500	800	2~50
TSCM0805T-102Y	1000	180	0.95	500	1400	1~40
TSCM0805T-202Y	2000	270	0.80	300	2000	0.5~15
TSCM0805T-222Y	2200	300	0.75	300	3400	1~11
TSCM0805T-302Y	3000	330	0.70	300	3000	0.5~10
TSCM0805T-332Y	3300	360	0.65	300	4400	0.9~7
TSCM0805T-392Y	3900	540	0.52	300	5000	0.7~6
TSCM0805T-402Y	4000	600	0.45	300	4000	0.5~5
TSCM0805T-472Y	4700	720	0.35	300	6200	0.6~3
TSCM0805T-502Y	5000	780	0.30	300	5000	0.5~3
TSCM0805T-902Y	9000	900	0.25	300	6000	0.5~3

\* Test Condition: @100KHz/0.1V (Ambient temperature: 25°C)

\* IDC: The actual value of D.C. current when the temperature rise is  $\Delta t=40^{\circ}\text{C}$  ( $T_a=20^{\circ}\text{C}$ ).

\* Tolerance: Y=  $\pm 40\%$

