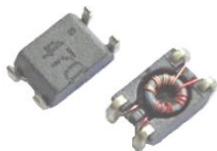


TSCM0602S Series (Rev. 1.0)



Features

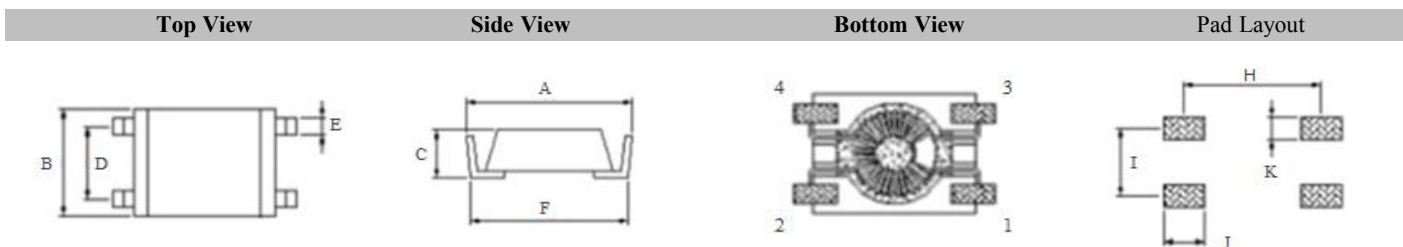
- * ROHS compliant
- * Compact size
- * Excellent solderability
- * Surface mount

Product Identification

TSCM 0602S - 470 F
 1 2 3 4

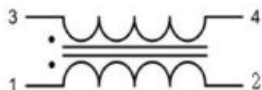
1. Product Code
2. Size Code
3. Inductance: 47uH
4. Tolerance: F=±50%

Dimension & Recommended PAD Layout: [mm]



Size Code	A(max.)	B(±0.15)	C(±0.15)	D(±0.15)	E(±0.1)	F(typ.)	H(typ.)	I(typ.)	J(typ.)	K(typ.)
0602S	6.50	3.60	1.65	2.50	0.55	6.00	5.10	2.50	1.50	0.85

Schematic:



Electrical Characteristics

P/N	Inductance Pin(1-2)&(3-4) (uH) min.	Impedance (Ω) typ.	DCR (mΩ) max.	IDC (mA) max.	Hipot @3mA/1S (VDC)
TSCM0602S-100F	10	200	240	300	250
TSCM0602S-470F	47	300	160	300	250
TSCM0602S-510F	51	300	160	300	250
TSCM0602S-820F	82	440	200	300	250
TSCM0602S-101F	100	500	220	300	250
TSCM0602S-181F	180	1000	250	300	250
TSCM0602S-221F	220	1200	280	300	250
TSCM0602S-331F	330	2000	300	300	250

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

* IDC: ΔT=40°C Typ.

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

Standard Atmospheric Conditions

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

