



COMMON MODE CHOKE FOR DATA & SIGNAL LINES

MODEL NO : SDC-092050 SERIES

Features :

- * SMD version.
- * Excellent frequency characteristics in small package.
- * Compliant with RoHS & REACH.

Application :

- * Automotive.
- * Industrial products.
- * Rated voltage 42V AC / 80V DC.
- * 500Vrms for 2 seconds isolation between winding and winding.



Electrical Specification :

PART NO	INDUCTANCE (μ H) (NOTE 1)	LEAKAGE INDUCTANCE (nH) typ (NOTE 2)	DCR (Ω) MAX.	RATED CURRENT (A) MAX (NOTE 3)	Zmax (Ω) TYP.	Winding style
SDC-092050-100	10 $\pm$ 30%	55	0.08	1.6	920	Bifilar
SDC-092050-250	25 $\pm$ 30%	60	0.16	1.0	2800	Bifilar
SDC-092050-400	40 $\pm$ 30%	80	0.25	0.9	3100	Bifilar
SDC-092050-500	50 $\pm$ 30%	85	0.32	0.8	5500	Bifilar
SDC-092050-251	250 $\pm$ 50%	60	0.13	1.2	1800	Bifilar
SDC-092050-501	500 $\pm$ 50%	75	0.15	1.0	3300	Bifilar
SDC-092050-102	1000 $\pm$ 50%	90	0.31	0.8	6000	Bifilar
SDC-092050-202	2000 $\pm$ 50%	130	0.42	0.6	9200	Bifilar
SDC-092050-472	4700 $\pm$ 50%	180	0.90	0.4	20000	Bifilar
SDC-092050-652	6500 $\pm$ 50%	280	1.05	0.3	18400	Bifilar

NOTE(1) : Measuring condition : 10uH – 50uH : 1KHz , 0.1 Vrms ., 250uH –6500uH :100 KHz ,5 mVrms.

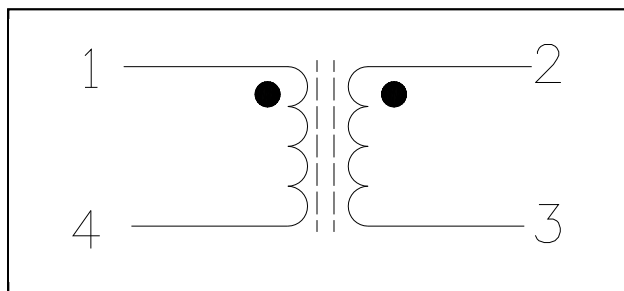
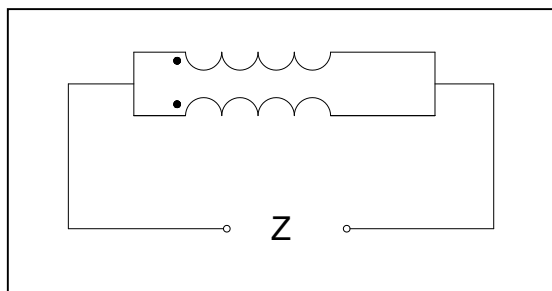
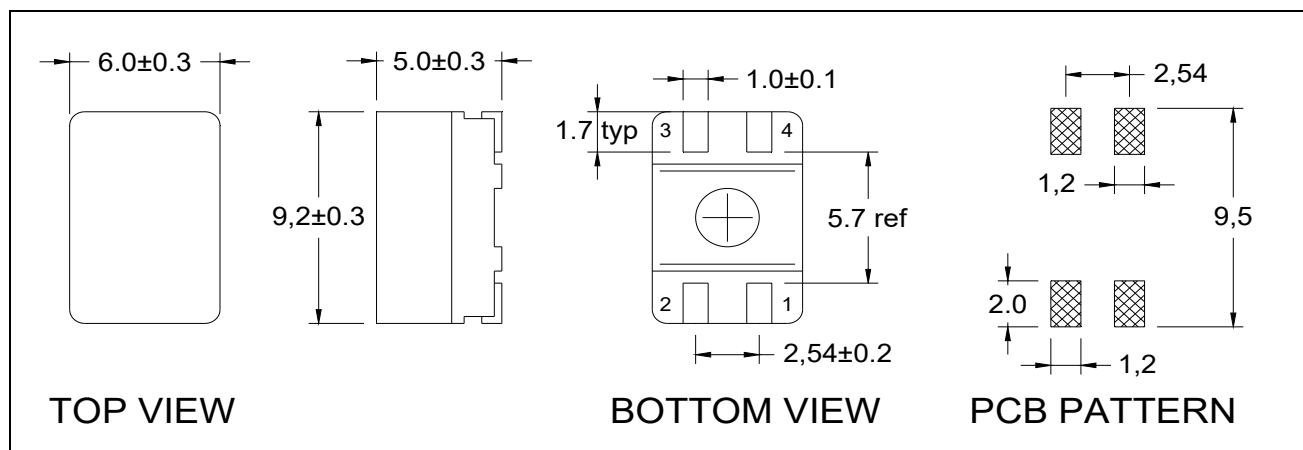
NOTE(2) : Measuring condition : 1 MHz,0.1 Vrms .

NOTE(3) : $\Delta T = 45^{\circ}\text{C}$ approximately under the rated current.

NOTE(4) : Operating temperature : $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$.

(Including self-heat generation by turning the electricity)

NOTE(5) : Storage time :The recommended storage time of common mode choke is maximum 12 months, and don't suggest to use the parts over 12 months.

Schematic :**Test setup:****Physical Dimension : (unit :mm)****PACKAGING SPEC:**

1. REEL SIZE & UNITS PER REEL :13",1000PCS.
2. TAPE WIDTH:16mm.
3. REEL WIDTH:22.4mm.
4. COMPONENT PITCH: 12mm.
5. Unit weight : 0.42 g typ / pcs.
6. Outer carton : 40 cm x 40 cm x 24 cm , 8.0 kg / 6000 pcs.