

# SCM02 Series Common Mode Chokes

## Features

- High rated currents, reduced components height
- Ideally used in xDSL, Modem and telecom applications
- Suitable for reflow soldering

## Applications

- Data and signal line chokes
- Digital communication equipment
- Industrial electronics, etc.



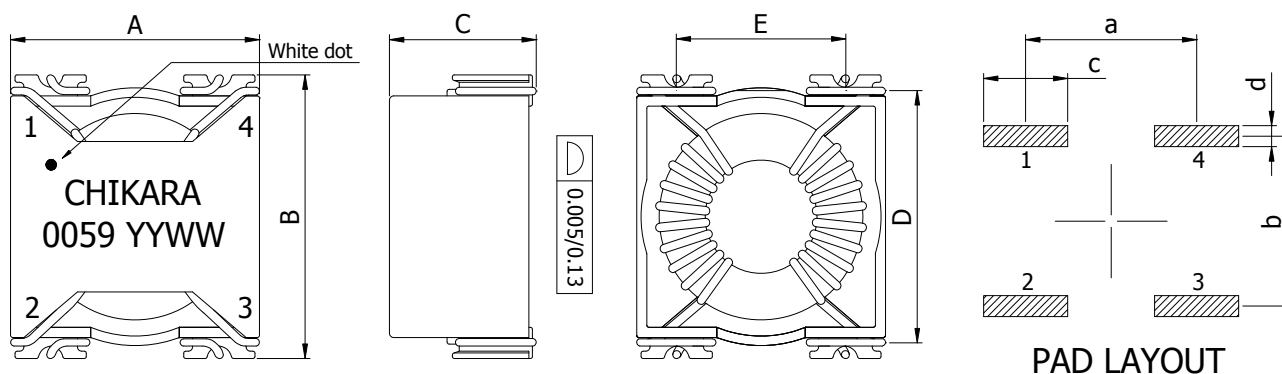
## Environmental Data

- Storage temperature range: -40°C to +85°C
- Operating temperature range: -40°C to +125°C (including coil's self-temperature rise)
- Solder reflow temperature: +260°C Max for 10 seconds Max
- Moisture sensitivity level: 1
- RoHS&HF compliance

## Packaging

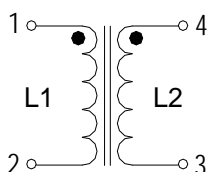
- Supplied in tape and reel packaging, 200pcs, per 13-inch reel

## Mechanical Dimension (Unit: mm/inches)



Type	A Max.	B Max.	C Max.	D Nom.	E Nom.	a Nom.	b Nom.	c Nom.	d Nom.
SCM02-2010	17.0 0.67	19.6 0.77	9.91 0.39	16.51 0.65	11.3 0.445	11.3 0.445	16.51 0.65	4.45 0.175	1.52 0.06

## Electrical Schematic



## Part Number Description

DCM02 - 2010 0059 Y

① ② ③ ④

- ① Type
- ② Dimensions
- ③ Inductance value
- ④ Tolerance code

# SCM02 Series Common Mode Chokes

## Electrical Characteristic

Part Number	Inductance ( $\mu$ H)	Tolerance ( $\pm$ %)	DCR ( $m\Omega$ )Max.	Rated current (A)Max.	Hi-Pot(V) (Coil - Coil)
SCM02-20100059Y	590	35	21	5.6	DC1.0KV/3S/2mA
SCM02-20100077Y	770	35	40	4.7	DC1.0KV/3S/2mA
SCM02-20100022Y	220	35	60	3.3	DC1.0KV/3S/2mA
SCM02-20100132Y	1320	35	60	3.3	DC1.0KV/3S/2mA
SCM02-20100147Y	1470	35	80	2.8	DC1.0KV/3S/2mA

- Test frequency and voltage:100KHz,0.1Vrms.
- All test data referenced to 25°C ambient.
- Rated current:DC current when temperature of coil increased up to 40°C.