



Features

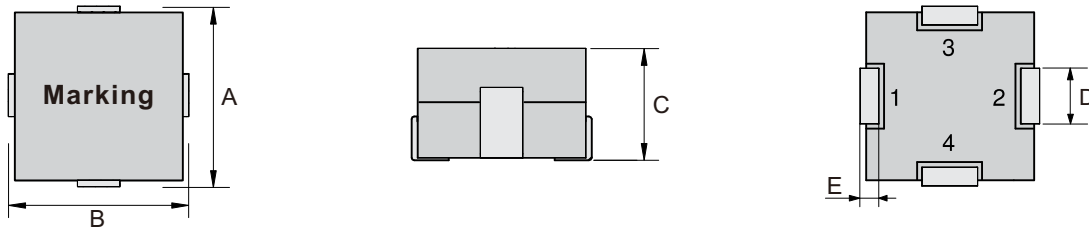
- Shielded Construction
- Composite core material allows high saturation current and compact design

General Specifications

- Storage temp range: -40°C to +125°C
- Operating temp range: -40°C to +125°C

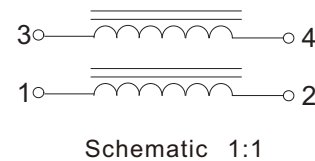
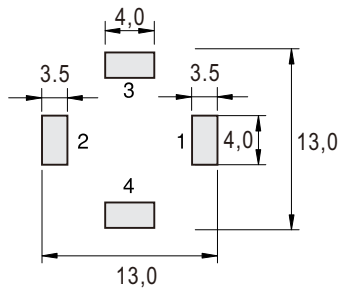


► Shape and Dimensions (Unit:mm)



Type	A	B	C	D	E
MCPI1080	11.2±0.3	11.2±0.3	8.0 Max.	2.9±0.5	2.2±0.5

► Recommended Layout

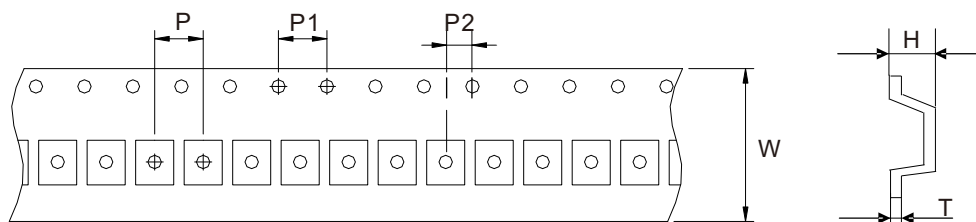


► Electrical Characteristics For MCPI1080 Series @ 25°C

Part Number	Inductance (μH) L(1-2)=L(3-4)	DCR (mΩ) Max. R(1-2)=R(3-4)	I _{rms} (A) Typ.	I _{sat} (A) Typ.
MCPI1080-8R2M	8.2±20%	35.2	14.0	6.0
MCPI1080-100M	10±20%	49.5	13.0	5.5
MCPI1080-150M	15±20%	71.5	12.0	4.5
MCPI1080-220M	22±20%	115.5	9.0	4.0

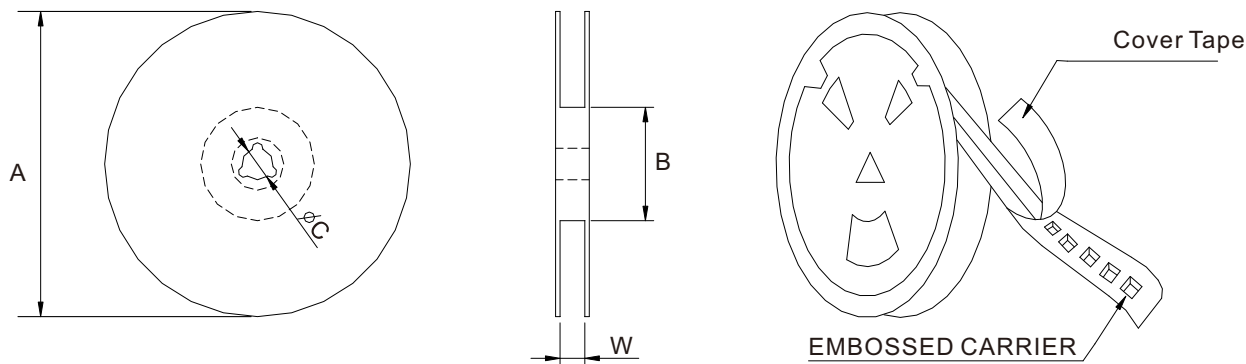
- Inductance tested at 100kHz, 1.0Vrms
- I_{rms}: DC current cause temp 40°C rise from 25°C
- I_{sat}: DC current cause L drop 20% max.

▶ Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
MCRI1080		24.0	16.0	4.0	2.0	8.20	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
MCRI1080		500	330	97	13	24.8