



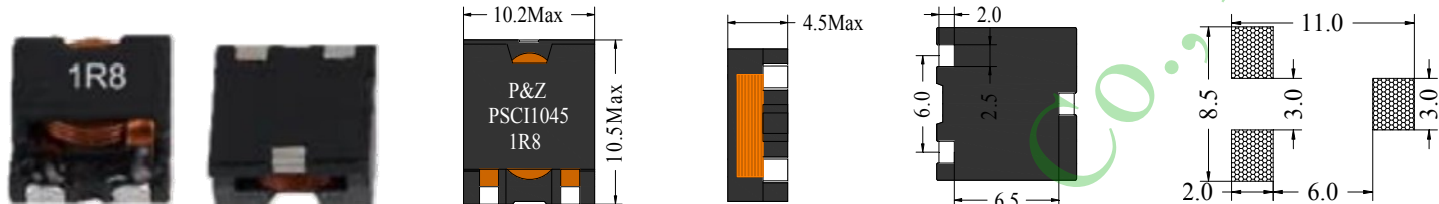
### High Current Inductors PSCI1045 Series

Inductance Range:0.22μH~2.5uH

Temperature Range: -40°C ~ +125°C

Dimensions: (mm)

Land Patterns(mm)



#### Feature:

1. Magnetically shield construction, anti-electromagnetic interference, ultra low buzz noise, high density installation.
2. Low magnetic loss, low DC resistance, highest current in this package size.
3. Three terminals, stabal soldering, anti-oxidation, easy to solder.
4. Fast paint stripping craft, PIN finished smoothly, no distortion, easy to solder.

#### Application:

Widly used in industrial control PCs,,PDA, notebook, desktop, server, cell phone, automotive, DC/DC converter,LED lighting, communication equipment, medical equipment, navigation.

#### Electrical Specifications:

Part No	Test frequency	Inductance L(uH)±30%	DCR(mΩ)Max	Heat Rated Current(A)Max	Saturation Current(A)Max
PSCI1045-R22M	100KHZ/0.25V	0.22	2.2	18.0	39.6
PSCI1045-R45M	100KHZ/0.25V	0.45	3.7	13.4	27.6
PSCI1045-R80M	100KHZ/0.25V	0.8	5.9	10.2	20.7
PSCI1045-1R3M	100KHZ/0.25V	1.3	11.8	7.3	16.6
PSCI1045-1R8M	100KHZ/0.25V	1.8	18.6	6.0	13.3
PSCI1045-2R5M	100KHZ/0.25V	2.5	10.0	5.0	11.8

DC Bias VS Temperature Characteristics(PSCI1045)

