

PRODUCT SPECIFICATION

SPEC. No.

T-0654-043



1. Scope

This specification applies High Current Power Inductors PMC201610P-Series to be delivered to user.

2. Product Identification

PMC 201610P - 4R7□ - T

(1) (2) (3) (4) (5)

(1) Product name

(2) Shapes and dimensions

(3) Inductance

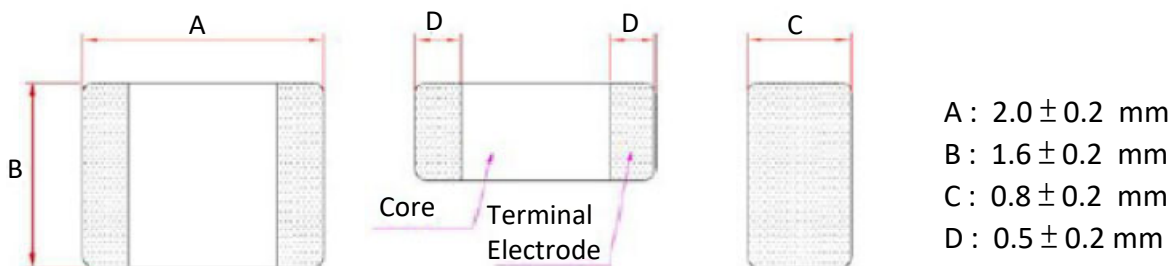
4R7: 4.7μH

(4) Tolerance(%)

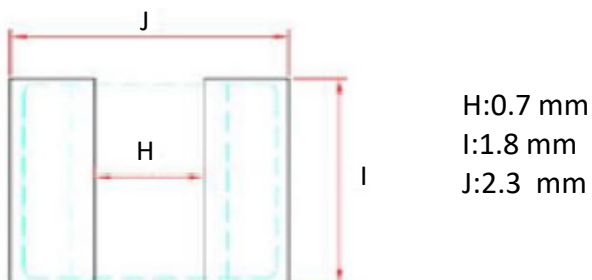
□: M= ±20%




(5) Taping Type

3. Shapes and Dimensions [Dimensions in mm]



3-1 Recommend Land Pattern Dimensions



Drawn by	Checked by	Approved by
 May 27, 2022	 May 27, 2022	 May 27, 2022

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4. Electrical Characteristics

4-1 Electrical Spec.

Customer Part Number	EMTEK Part No.	Inductance (μ H)	Tol.	Rdc (m Ω)		Isat(A)		Irms(A)	
				Typ.	Max.	Typ.	Max.	Typ.	Max.
	PMC201610P-R47□-T	0.47	M	25	32	5.4	4.8	4.4	4.0
	PMC201610P-1R0□-T	1.0	M	54	65	3.8	3.6	3.2	2.8
	PMC201610P-1R5□-T	1.5	M	84	91	3.0	2.6	2.1	1.8
	PMC201610P-2R2□-T	2.2	M	125	140	2.8	2.4	1.9	1.6
	PMC201610P-3R3□-T	3.3	M	205	235	2.1	1.8	1.5	1.3
	PMC201610P-4R7□-T	4.7	M		320	1.4	1.2	0.9	0.7

1. Test frequency: 1MHz, 1.0V
2. Referenced ambient temperature 20°C
3. I sat(Typ):DC current(A) that will cause L0 to drop approximately 30%
I sat(Max):DC current(A) that will cause L0 to drop 30% Max.
Irms(Typ):DC current(A) that will cause an approximate Δ T of 40 °C
Irms(Max):DC current(A) that will cause Δ T of 40 °C Max.
4. Operating Temperature range includes self-temperature rise.
5. The rated current as listed is either the saturation current or the heating current depending on which value is lower.
6. Operating Temperature:-55°C to 125°C