

# PRODUCT SPECIFICATION

SPEC. NO.

T-0648-101



## 1. Scope

This specification applies Ferrite Power Inductors PIE5020L-Series-TY to be delivered to user.

## 2. Product Identification

PIE 5020L - 4R7 □ - TY

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

(1) Product name

(2) Shapes and dimensions

(3) Inductance

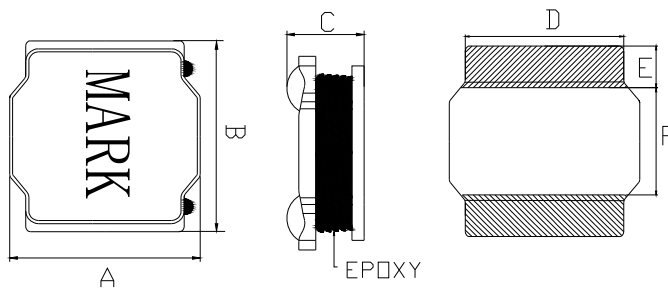
4R7 : 4.7 uH

(4) Tolerance

M=±20%、N=±30%

(5) Taping Type

## 3. Shapes and Dimensions



A:5.0±0.2 mm  
 B:5.0±0.2 mm  
 C:2.0 Max. mm  
 D:4.0 Ref. mm  
 E:1.35 Ref. mm  
 F:2.3 Ref. mm

Drawn by	Checked by	Approved by
 Jun. 29. 2022	 Jun. 29. 2022	 Jun. 29. 2022

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## 4. Electrical Characteristics

### 4-1 Electrical Spec.

Customer Part Number	Our Product Part Number	Inductance (uH)	Tolerance (±%)	RDC(mΩ)		Isat(A)	Irms(A)	Marking
				Max.	Typ.	Typ.	Typ.	
	PIE5020L-1R0□-TY	1.0	N	26	23	4.40	4.20	1R0
	PIE5020L-1R5□-TY	1.5	N	34	28	4.20	4.10	1R5
	PIE5020L-2R2□-TY	2.2	N	49	40	3.80	3.20	2R2
	PIE5020L-3R3□-TY	3.3	M	58	50	3.20	3.10	3R3
	PIE5020L-4R7□-TY	4.7	M	78	68	2.50	2.40	4R7
	PIE5020L-6R8□-TY	6.8	M	106	86	2.20	2.10	6R8
	PIE5020L-100□-TY	10	M	150	124	1.50	1.40	100
	PIE5020L-150□-TY	15	M	220	180	1.40	1.30	150
	PIE5020L-220□-TY	22	M	294	260	1.15	1.10	220
	PIE5020L-270□-TY	27	M	390	330	1.10	1.00	270
	PIE5020L-330□-TY	33	M	462	390	1.00	0.60	330
	PIE5020L-470□-TY	47	M	630	525	0.85	0.80	470
	PIE5020L-680□-TY	68	M	800	630	0.60	0.55	680
	PIE5020L-101□-TY	100	M	1320	1110	0.55	0.50	101
	PIE5020L-221□-TY	220	M	2860	2400	0.35	0.30	221
	PIE5020L-102□-TY	1000	M	18000	12500	0.15	0.14	102

1. When ordering, please specify tolerance and packaging codes. Ex: PIE5020L-4R7M-TY

Tolerance : M=±20%、N=±30%

2. Test Frequency: 100KHz/0.25V

3. Rated Current Ind. drops of 30% typ. at Isat

4. Temperature Rise: 40°C typ. at Irms