

PRODUCT SPECIFICATION

SPEC. NO.

T-0648-102



1. Scope

This specification applies Ferrite Power Inductors PIE5040H-Series-TY to be delivered to user.

2. Product Identification

PIE 5040H - 4R7 □ - TY

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

(1) Product name

(2) Shapes and dimensions

(3) Inductance

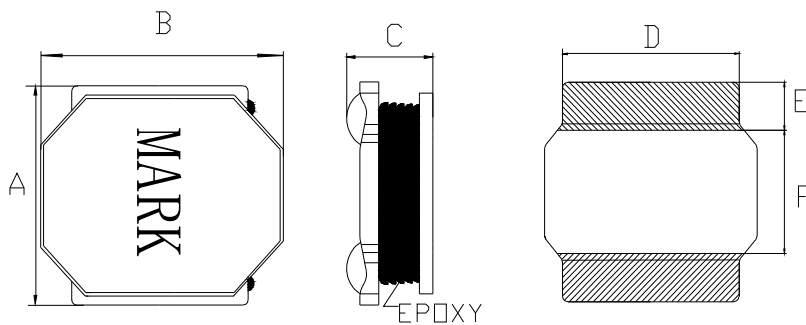
4R7 : 4.7 uH

(4) Tolerance


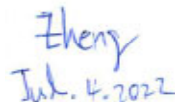
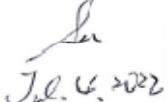
M=±20%、N=±30%

(5) Taping Type

3. Shapes and Dimensions



A:5.0±0.2 mm
 B:5.0±0.2 mm
 C:4.1 Max. mm
 D:4.0 Ref. mm
 E:1.5 Ref. mm
 F:2.0 Ref. mm

Drawn by	Checked by	Approved by
 Jul. 4, 2022	 Jul. 4, 2022	 Jul. 4, 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.	
	PIE5040H-1R0□-TY	1.0	N	18	14	7.50	6.00	1R0
	PIE5040H-1R5□-TY	1.5	N	25	20	5.50	5.40	1R5
	PIE5040H-2R2□-TY	2.2	M	26	22	4.90	4.80	2R2
	PIE5040H-3R3□-TY	3.3	M	33	26	4.00	3.60	3R3
	PIE5040H-4R7□-TY	4.7	M	42	35	3.50	3.40	4R7
	PIE5040H-6R8□-TY	6.8	M	56	46	2.90	2.80	6R8
	PIE5040H-100□-TY	10	M	78	63	2.30	2.20	100
	PIE5040H-150□-TY	15	M	104	95	2.00	1.90	150
	PIE5040H-220□-TY	22	M	166	138	1.60	1.50	220
	PIE5040H-270□-TY	27	M	200	165	1.40	1.30	270
	PIE5040H-330□-TY	33	M	228	190	1.30	1.20	330
	PIE5040H-470□-TY	47	M	370	305	1.10	1.00	470
	PIE5040H-560□-TY	56	M	410	340	1.00	0.95	560
	PIE5040H-680□-TY	68	M	600	435	0.85	0.80	680
	PIE5040H-101□-TY	100	M	700	550	0.70	0.60	101
	PIE5040H-221□-TY	220	M	2250	1800	0.40	0.35	221

1. When ordering, please specify tolerance and packaging codes. Ex: PIE5040H-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