

# PRODUCT SPECIFICATION

SPEC. NO.

T-0648-096



## 1. Scope

This specification applies Ferrite Power Inductors PIE3012H-Series-TY to be delivered to user.

## 2. Product Identification

PIE 3012H - 4R7 □ - TY

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

(1) Product name

(2) Shapes and dimensions

(3) Inductance

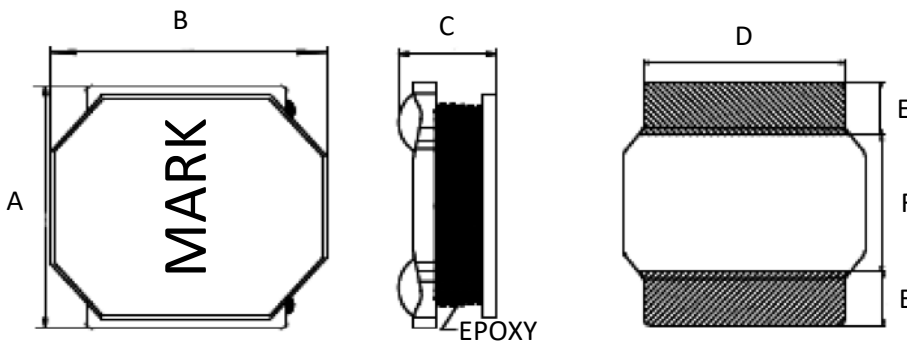
4R7 : 4.7 uH

(4) Tolerance

M=±20% , N=±30%

(5) Taping Type

## 3. Shapes and Dimensions



A:3.0±0.2 mm  
 B:3.0±0.2 mm  
 C:1.3 Max. mm  
 D:2.85 Ref. mm  
 E:0.9 Ref. mm  
 F:1.2 Ref. mm

Drawn by	Checked by	Approved by
 Jun. 8. 2022	 Jun. 8. 2022	 Jun. 8. 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.	
	PIE3012H-R22□-TY	0.22	N	30	22	5.30	3.50	R22
	PIE3012H-R82□-TY	0.82	N	46	36	2.30	2.20	R82
	PIE3012H-1R0□-TY	1.0	M	60	50	2.00	1.95	1R0
	PIE3012H-1R2□-TY	1.2	M	72	58	1.80	1.75	1R2
	PIE3012H-1R5□-TY	1.5	M	72	58	1.60	1.55	1R5
	PIE3012H-1R8□-TY	1.8	M	95	75	1.50	1.45	1R8
	PIE3012H-2R2□-TY	2.2	M	105	85	1.40	1.35	2R2
	PIE3012H-2R4□-TY	2.4	M	110	88	1.30	1.25	2R4
	PIE3012H-2R7□-TY	2.7	M	110	88	1.14	1.10	2R7
	PIE3012H-3R3□-TY	3.3	M	130	98	1.05	1.00	3R3
	PIE3012H-3R6□-TY	3.6	M	156	138	1.05	1.00	3R6
	PIE3012H-3R9□-TY	3.9	M	156	138	1.00	0.95	3R9
	PIE3012H-4R7□-TY	4.7	M	156	138	0.90	0.85	4R7
	PIE3012H-5R6□-TY	5.6	M	226	175	0.80	0.75	5R6
	PIE3012H-6R8□-TY	6.8	M	247	190	0.75	0.70	6R8
	PIE3012H-100□-TY	10.0	M	345	290	0.60	0.55	100
	PIE3012H-120□-TY	12.0	M	480	400	0.50	0.45	120
	PIE3012H-150□-TY	15.0	M	492	410	0.45	0.43	150
	PIE3012H-180□-TY	18.0	M	709	570	0.43	0.42	180
	PIE3012H-220□-TY	22.0	M	839	700	0.42	0.40	220
	PIE3012H-270□-TY	27.0	M	1100	760	0.35	0.34	270
	PIE3012H-330□-TY	33.0	M	1130	880	0.34	0.32	330
	PIE3012H-360□-TY	36.0	M	1200	930	0.33	0.30	360
	PIE3012H-390□-TY	39.0	M	1700	1200	0.30	0.28	390
	PIE3012H-470□-TY	47.0	M	1800	1350	0.27	0.26	470
	PIE3012H-560□-TY	56.0	M	1900	1500	0.26	0.25	560
	PIE3012H-680□-TY	68.0	M	2150	1700	0.24	0.22	680
	PIE3012H-820□-TY	82.0	M	3200	2500	0.21	0.20	820
	PIE3012H-101□-TY	100.0	M	3600	2900	0.20	0.18	101

1. When ordering, please specify tolerance and packaging codes. Ex: PIE3012H-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