

PRODUCT SPECIFICATION

SPEC. NO.

T-0648-103



1. Scope

This specification applies Ferrite Power Inductors PIE6028L-Series-TY to be delivered to user.

2. Product Identification

PIE 6028L - 4R7 □ - TY

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

(1) Product name

(2) Shapes and dimensions

(3) Inductance

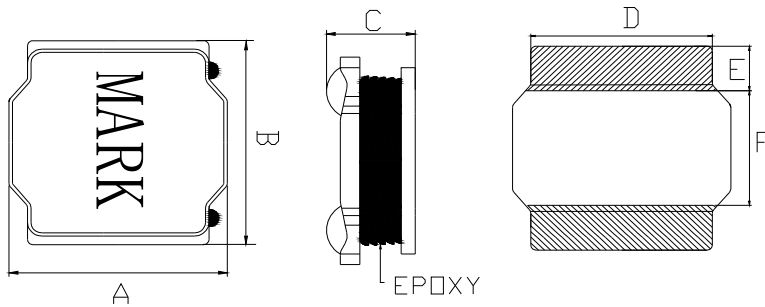
4R7 : 4.7 uH

(4) Tolerance




M=±20%、N=±30%

(5) Taping Type

3. Shapes and Dimensions



A:6.0±0.2 mm
 B:6.0±0.2 mm
 C:3.0 Max. mm
 D:5.0 Ref. mm
 E:1.85Ref. mm
 F:2.3 Ref. mm

Drawn by	Checked by	Approved by
 Jul. 6. 2022	 Jul. 6. 2022	 Jul. 6. 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.	
	PIE6028L-1R0□-TY	1.0	N	20	15	8.00	5.50	1R0
	PIE6028L-1R5□-TY	1.5	N	25	18	7.00	5.20	1R5
	PIE6028L-2R2□-TY	2.2	M	28	21	6.00	4.50	2R2
	PIE6028L-3R3□-TY	3.3	M	40	32	4.50	3.50	3R3
	PIE6028L-4R7□-TY	4.7	M	45	40	4.00	3.00	4R7
	PIE6028L-5R6□-TY	5.6	M	60	50	3.50	2.50	5R6
	PIE6028L-6R8□-TY	6.8	M	65	55	3.20	2.40	6R8
	PIE6028L-100□-TY	10	M	85	70	2.50	2.00	100
	PIE6028L-120□-TY	12	M	96	80	2.40	1.90	120
	PIE6028L-150□-TY	15	M	125	100	2.30	1.80	150
	PIE6028L-220□-TY	22	M	185	150	1.90	1.40	220
	PIE6028L-270□-TY	27	M	210	185	1.60	1.30	270
	PIE6028L-330□-TY	33	M	260	200	1.40	1.20	330
	PIE6028L-470□-TY	47	M	410	350	1.30	1.00	470
	PIE6028L-560□-TY	56	M	420	360	1.10	0.90	560
	PIE6028L-680□-TY	68	M	500	400	1.00	0.85	680
	PIE6028L-820□-TY	82	M	680	550	0.90	0.80	820
	PIE6028L-101□-TY	100	M	750	620	0.85	0.75	101
	PIE6028L-151□-TY	150	M	860	800	0.65	0.60	151
	PIE6028L-221□-TY	220	M	1600	1300	0.55	0.50	221
	PIE6028L-331□-TY	330	M	2400	1850	0.50	0.45	331
	PIE6028L-471□-TY	470	M	3200	2400	0.35	0.32	471
	PIE6028L-681□-TY	680	M	5500	4300	0.32	0.30	681
	PIE6028L-821□-TY	820	M	5800	4500	0.26	0.25	821
	PIE6028L-102□-TY	1000	M	7800	5950	0.23	0.22	102

1. When ordering, please specify tolerance and packaging codes. Ex: PIE6028L-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