ARLITECH ELECTRONIC CORP.
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SMD Power Inductors / APIR Series

Features

- Low profile very effective in space-conscious applications.
- Low resistance and high energy storage.

Applications

- Excellent as DC-DC Converter used in notebooks computers, PDA and mobile headphones. Step-up or step-down converters.

● Shape & Dimensions

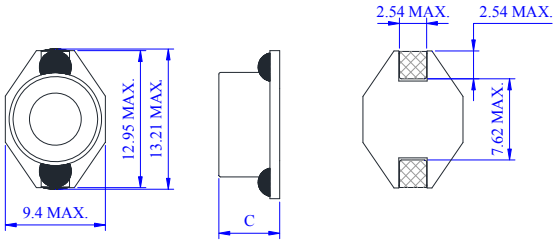


Fig.1

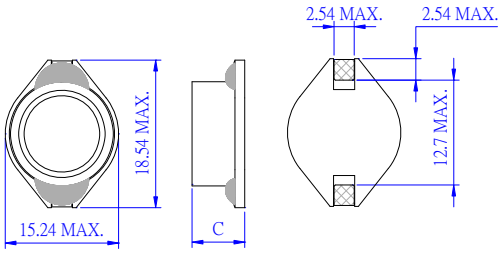
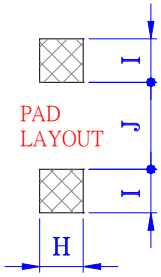


Fig.2



TYPE	Figure	C (mm)	H (Ref.)	I (Ref.)	J (Ref.)
APIR3316	1	5.08 MAX.	2.79	2.92	7.37
APIR5022	2	7.62 MAX.	2.79	2.92	12.45

■ PRODUCT IDENTIFICATION

A P I R 3 3 1 6 △ △ △ △ △ 1 0 0 M T △

① Product: APIR

② Dimension: 3316, 5022

③ Type: △△△: Type Code

④ Inductance(uH): 2R2 = 2.2; 100 = 10; 220 = 22

⑤ Tolerance: K = ±10%; M = ±20%; Y = ±30%

⑥ Package: T = Taping reel; B = Bulk

⑦ Special product: "A~Z"

◆ APIR3316 Series Specification：

Part Number	Inductance (uH)	Inductance Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	Saturation Current (A) Max.
APIR33161R0□T	1.0	Y	100	21	5.6
APIR33161R5□T	1.5	Y	100	22	5.2
APIR33162R2□T	2.2	Y	100	32	5.0
APIR33163R3□T	3.3	Y	100	39	3.9
APIR33164R7□T	4.7	Y	100	54	3.2
APIR33166R8□T	6.8	M,N	100	75	2.8
APIR3316100□T	10	M,N	100	101	2.4
APIR3316150□T	15	M,N	100	150	2.0
APIR3316220□T	22	M,N	100	207	1.6
APIR3316330□T	33	M,N	100	334	1.4
APIR3316470□T	47	M,N	100	472	1.0

NOTE：

* The operating temperature range is -40℃ to +125℃(Including self-temperature rise).

* □ Tolerance M：±20%，N：±25%，Y：±30%

*Isat:For Inductance drop 15% from its value without current.

◆ APIR5022 Series Specification：

Part Number	Inductance (uH)	Inductance Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	Saturation Current (A) Max.
APIR5022100□T	10	M,N	100	40	8.00
APIR5022150□T	15	M,N	100	48	7.00
APIR5022220□T	22	M,N	100	59	6.00
APIR5022330□T	33	M,N	100	75	5.00
APIR5022470□T	47	M,N	100	97	4.00
APIR5022680□T	68	M,N	100	138	3.00
APIR5022101□T	100	M,N	100	207	2.40
APIR5022151□T	150	M,N	100	293	2.10
APIR5022221□T	220	M,N	100	470	1.90
APIR5022331□T	330	M,N	100	780	1.10
APIR5022471□T	470	M,N	100	1080	1.10
APIR5022681□T	680	M,N	100	1400	0.96
APIR5022102□T	1000	M,N	100	2010	0.80

NOTE：

* The operating temperature range is -40℃ to +125℃(Including self-temperature rise).

* □ Tolerance M：±20%，N：±25%

*Isat:For Inductance drop 15% from its value without current.