

SMD Power INDUCTORS

IPSD Series

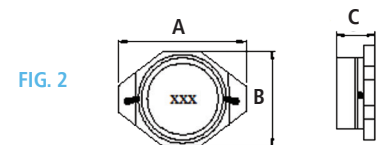
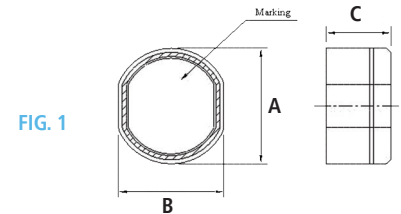
Features:

- Low profile shielded power inductors
- Designed for operating temperatures of -40 to +85°C
- Wide range of inductance values up to 10 mH

Application:

- PC, Servers, Datacom
- Telecommunications
- DC/DC converters

SERIES	DIMENSIONS (MAX)			INDUCTANCE RANGE (uH)	CURRENT RANGE (A)	FIG.
	A	B	C			
IPSD63	6.60	6.00	3.70	10 ~ 100	0.330 ~ 1.00	1
IPSD74	8.20	7.40	5.00	10 ~ 220	0.360 ~ 1.65	1
IPSD105	10.40	9.40	5.50	10 ~ 470	0.330 ~ 2.06	1
IPSD1608	6.60	4.45	2.92	1 ~ 10000	0.02 ~ 3	2
IPSD3316	12.95	9.40	5.08	1 ~ 47	1 ~ 5.6	2
IPSD5022	18.54	15.24	7.62	10 ~ 1000	0.8 ~ 8	2



IPSF Series

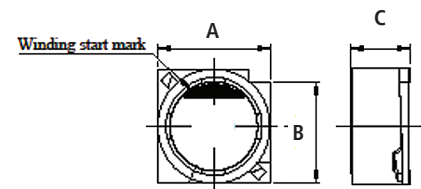
Features:

- Designed for pick and place insertion
- Up to 10 Amp applications
- Excellent terminal strength and soldering capability

Application:

- DC/DC converters
- Consumer electronics
- Datacom products

SERIES	DIMENSIONS (MAX)			INDUCTANCE RANGE (uH)	CURRENT RANGE (A)
	A	B	C		
IPSF625	6.20	6.20	2.70	4.7 ~ 100	0.33 ~ 1.5
IPSF628	6.20	6.20	3.00	4.7 ~ 100	0.42 ~ 1.6
IPSF728	7.20	7.20	3.00	3.3 ~ 47	0.54 ~ 1.6
IPSF732	7.20	7.20	3.40	3.3 ~ 1000	0.13 ~ 1.9
IPSF745	7.20	7.20	4.80	3.3 ~ 1000	0.14 ~ 2.5
IPSF1045	10.40	10.40	4.80	3.3 ~ 1500	0.22 ~ 4.9
IPSF1255	12.80	12.80	5.80	6 ~ 1500	0.29 ~ 3.6
IPSF1265	12.80	12.80	6.85	2 ~ 220	1 ~ 10
IPSF1275	12.80	12.80	7.85	1.2 ~ 220	1.3 ~ 13



SMD Power INDUCTORS

IPSH Series

Features:

- Series of low profile shielded inductors
- Wide range of inductance values and current ratings
- Designed up to 1.8 mm part height for space conscious designs

Application:

- DC/DC converters
- Communications and PC
- Servers, consumer electronics

SERIES	DIMENSIONS (MAX)			INDUCTANCE RANGE (uH)	CURRENT RANGE (A)	FIG.
	A	B	C			
IPSH2D18	3.20	3.20	2.00	2.2 ~ 33	0.23 ~ 0.85	1
IPSH3D16	4.00	4.00	1.80	1.5 ~ 33	0.32 ~ 1.55	1
IPSH4D18	5.00	5.00	2.00	1 ~ 180	0.14 ~ 1.72	2
IPSH4D28	5.00	5.00	3.00	1.2 ~ 390	0.13 ~ 2.56	2
IPSH5D18	6.00	6.00	2.00	4.1 ~ 330	0.18 ~ 1.95	2
IPSH5D28	6.00	6.00	3.00	2.6 ~ 680	0.16 ~ 2.60	2
IPSH6D28	7.00	7.00	3.00	3 ~ 680	0.20 ~ 3.0	2
IPSH6D38	7.00	7.00	4.00	3.3 ~ 1000	0.20 ~ 3.50	2
IPSH8D28	8.30	8.30	3.00	2.5 ~ 100	0.75 ~ 4.50	3
IPSH8D43	8.30	8.30	4.50	2 ~ 100	1.3 ~ 7.0	3
IPSH62	6.50	6.90	3.00	2.9 ~ 330	0.19 ~ 1.94	4
IPSH64	6.50	6.90	5.00	2.9 ~ 1000	0.14 ~ 1.80	4
IPSH73	7.50	7.50	3.40	10 ~ 1000	0.16 ~ 1.68	5
IPSH74	7.50	7.50	4.50	10 ~ 1000	0.18 ~ 1.84	5
IPSH103	10.30	10.40	3.00	10 ~ 150	0.7 ~ 2.70	6
IPSH104	10.30	10.40	4.00	1.3 ~ 330	0.7 ~ 10	6
IPSH105	10.30	10.40	5.00	10 ~ 1000	0.35 ~ 3.45	6
IPSH124	12.30	12.30	4.50	3.9 ~ 330	0.5 ~ 6.50	5
IPSH125	12.30	12.30	6.00	1.3 ~ 1000	0.40 ~ 8.0	5
IPSH127	12.30	12.30	8.00	1.2 ~ 1000	0.55 ~ 9.80	5

IPSR Series

Features:

- Low profile shielded power inductors
- Available in wide range of inductance and current values
- Designed up to 11 Amps

Application:

- DC/DC converters
- Set-top box, DVR
- Communication, Telecom equipment

SERIES	DIMENSIONS (MAX)			INDUCTANCE RANGE (uH)	CURRENT RANGE (A)
	A	B	C		
IPSR62L	6.30	6.20	2.50	1 ~ 47	0.5 ~ 3.5
IPSR62C	6.30	6.20	2.00	1 ~ 100	0.33 ~ 3.48
IPSR63L	6.30	6.20	3.50	1 ~ 150	0.31 ~ 3.59
IPSR63C	6.30	6.20	3.00	2 ~ 150	0.37 ~ 3.0
IPSR104	10.40	10.40	4.80	1.1 ~ 120	0.97 ~ 11.7
IPSR106	10.40	10.40	6.80	1.1 ~ 680	0.47 ~ 7.0
IPSR126	12.80	12.80	6.80	1.7 ~ 680	0.55 ~ 11.8

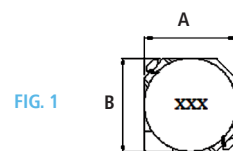


FIG. 1

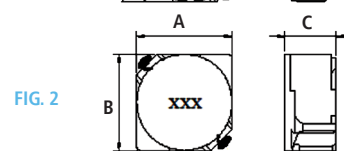


FIG. 2

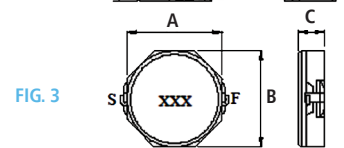


FIG. 3

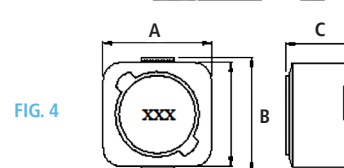


FIG. 4

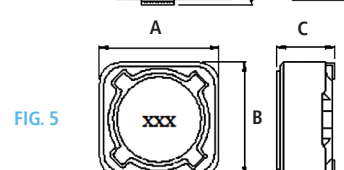


FIG. 5

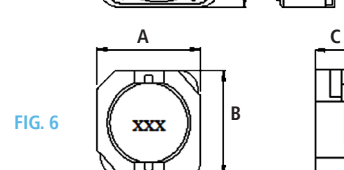
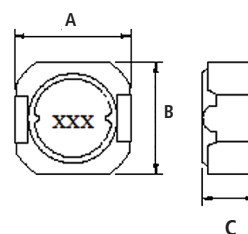
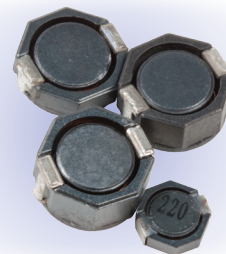


FIG. 6



SMD Power INDUCTORS

IPUD Series

Features:

- Series of low profile unshielded power inductors
- Designed to meet industry standard footprints

Application:

- DC/DC converters
- Base stations, Datacom, Servers
- LCD, Consumer electronics

SERIES	DIMENSIONS (MAX)			INDUCTANCE RANGE (uH)	CURRENT RANGE (A)	FIG.
	A	B	C			
IPUD32	3.80	3.30	2.40	10 ~ 390	0.115 ~ 0.76	1
IPUD42	4.80	4.30	2.40	1 ~ 82	0.36 ~ 2.70	1
IPUD43	4.80	4.30	3.50	1 ~ 470	0.21 ~ 3.80	1
IPUD52	6.10	5.50	2.80	1.2 ~ 470	0.15 ~ 4.20	1
IPUD53	6.10	5.50	3.30	1 ~ 1000	0.13 ~ 4.50	1
IPUD54	6.10	5.50	4.80	1 ~ 1000	0.14 ~ 5.90	1
IPUD73	8.10	7.30	3.80	10 ~ 330	0.28 ~ 1.44	1
IPUD75	8.10	7.30	5.30	10 ~ 470	0.34 ~ 2.30	1
IPUD104	10.30	9.30	4.30	10 ~ 560	0.32 ~ 2.38	1
IPUD105	10.30	9.30	5.70	10 ~ 820	0.24 ~ 2.60	1
IPUD1608	6.60	4.45	2.92	1 ~ 1000	0.1 ~ 2.9	2
IPUD1813	9.10	6.10	4.70	0.56 ~ 47	0.87 ~ 7.7	2
IPUD3308	12.95	9.40	3.00	10 ~ 1000	0.1 ~ 2.4	2
IPUD3316	12.95	9.40	5.21	1 ~ 1000	0.3 ~ 9	2
IPUD3316H	13.21	9.91	6.35	0.33 ~ 4.7	5.4 ~ 20	3
IPUD3340	12.95	9.40	11.43	10 ~ 1000	0.8 ~ 8	2
IPUD5022	18.54	15.24	7.11	1 ~ 1000	1 ~ 20	2
IPUD5022H	22.35	16.26	8.00	0.78 ~ 15	8 ~ 30	3



FIG. 1

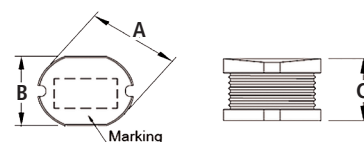


FIG. 2

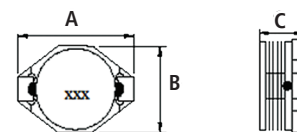
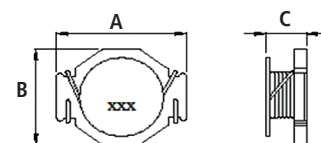


FIG. 3



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Laird Performance Materials:

[IPUD3340151M-10](#)