

SMD POWER INDUCTORS / AHPD Series

● Features

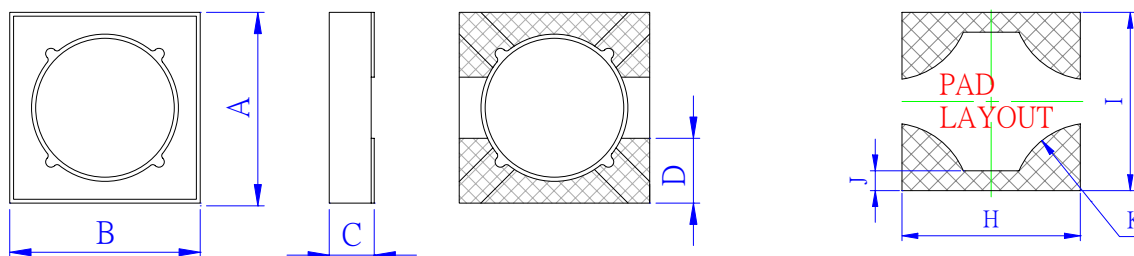
1. Low DC resistance and for large currents.
2. Closed magnetic circuit crosstalk.
3. Excellent solderability and heat resistance.

● Applications

LCD driving circuits (DC-DC converters) such as notebook-sized personal computers, portable terminal equipment, game units.



● Shape & Dimensions



TYPE	A (mm)	B (mm)	C (mm)	D (mm)	H (Ref.)	I (Ref.)	J (Ref.)	K (Ref.)
AHPD09H	5.2 MAX.	5.2 MAX.	0.9 MAX.	1.5 REF.	5.15	5.95	1.00	R2.25
AHPD10H	5.2 MAX.	5.2 MAX.	1.0 MAX.	1.5 REF.	5.15	5.95	1.00	R2.25
AHPD12H	5.2 MAX.	5.2 MAX.	1.2 MAX.	1.5 REF.	5.15	5.95	1.00	R2.25
AHPD18H	5.2 MAX.	5.2 MAX.	1.8 MAX.	1.5 REF.	5.15	5.95	1.00	R2.25

◆ AHPD09H Series Specification :

Part Number	Inductance (H)	Test Frequency (Hz)	DCR (Ω) Max.	Rated Current (A) Max.
AHPD09H2R2□	2.2 u	100 K	0.15	1.0
AHPD09H3R3□	3.3 u	100 K	0.23	0.8
AHPD09H4R7□	4.7 u	100 K	0.33	0.7
AHPD09H6R8□	6.8 u	100 K	0.48	0.6
AHPD09H100□	10 u	100 K	0.73	0.5
AHPD09H150□	15 u	100 K	0.95	0.4
AHPD09H220□	22 u	100 K	1.40	0.3
AHPD09H330□	33 u	100 K	2.20	0.2

NOTE :

* The operating temperature range is -25°C to +85°C

* □ Tolerance K : $\pm 10\%$, M : $\pm 20\%$

◆ AHPD10H Series Specification :

Part Number	Inductance (H)	Test Frequency (Hz)	DCR (Ω) Max.	Rated Current (A) Max.
AHPD10H2R2□	2.2 u	100 K	114 m	1.65
AHPD10H3R3□	3.3 u	100 K	135 m	1.31
AHPD10H4R7□	4.7 u	100 K	192 m	1.08
AHPD10H5R6□	5.6 u	100 K	220 m	0.96
AHPD10H6R2□	6.2 u	100 K	234 m	0.92
AHPD10H6R8□	6.8 u	100 K	289 m	0.86
AHPD10H8R2□	8.2 u	100 K	326 m	0.80
AHPD10H100□	10 u	100 K	361 m	0.752
AHPD10H150□	15 u	100 K	650 m	0.605
AHPD10H220□	22 u	100 K	926 m	0.506
AHPD10H330□	33 u	100 K	1.36	0.420
AHPD10H470□	47 u	100 K	1.84	0.349
AHPD10H680□	68 u	100 K	2.70	0.285
AHPD10H820□	82 u	100 K	3.71	0.261

NOTE :

* The operating temperature range is -25°C to +85°C

* □ Tolerance K : $\pm 10\%$, M : $\pm 20\%$

◆ AHPD12H Series Specification :

Part Number	Inductance (H)	Test Frequency (Hz)	DCR (Ω) Max.	Rated Current (A) Max.
AHPD12H2R2□	2.2 u	100 K	0.13	1.50
AHPD12H3R3□	3.3 u	100 K	0.18	1.20
AHPD12H4R7□	4.7 u	100 K	0.27	1.09
AHPD12H6R8□	6.8 u	100 K	0.35	1.00
AHPD12H100□	10 u	100 K	0.45	0.80
AHPD12H150□	15 u	100 K	0.55	0.65
AHPD12H220□	22 u	100 K	0.90	0.50
AHPD12H470□	47 u	100 K	2.80	0.32
AHPD12H101□	100 u	100 K	3.50	0.20

NOTE :

* The operating temperature range is -25°C to +85°C

* □ Tolerance K : $\pm 10\%$, M : $\pm 20\%$

◆ AHPD18H Series Specification :

Part Number	Inductance (H)	Test Frequency (Hz)	DCR (Ω) Max.	Rated Current (A) Max.
AHPD18H2R2□	2.2 u	100 K	62 m	2.16
AHPD18H3R3□	3.3 u	100 K	88 m	1.71
AHPD18H4R7□	4.7 u	100 K	97 m	1.54
AHPD18H6R2□	6.2 u	100 K	145 m	1.30
AHPD18H8R2□	8.2 u	100 K	170 m	1.12
AHPD18H100□	10 u	100 K	192 m	0.98
AHPD18H150□	15 u	100 K	250 m	0.831
AHPD18H220□	22 u	100 K	430 m	0.689
AHPD18H330□	33 u	100 K	570 m	0.568
AHPD18H470□	47 u	100 K	910 m	0.470
AHPD18H680□	68 u	100 K	1.34	0.390
AHPD18H820□	82 u	100 K	1.74	0.356

NOTE :

* The operating temperature range is -25°C to +85°C

* □ Tolerance K : $\pm 10\%$, M : $\pm 20\%$