

SURFACE-MOUNT HIGH CURRENT POWER INDUCTORS

ASPI-HC SERIES

0706HC, 1306HC



FEATURES:

- Current up to 15A
- Flat-top for Pick & Place
- Very low DC Resistance

OPTIONS:

- Tape & Reel is Standard
- Bulk Packaging Available for Smaller Quantities
- Custom Design Available

COMMON APPLICATIONS:

- Ideal for High Current, Low Voltage DC-DC Converters
- Designed for 3.3V Microprocessor

STANDARD SPECIFICATIONS

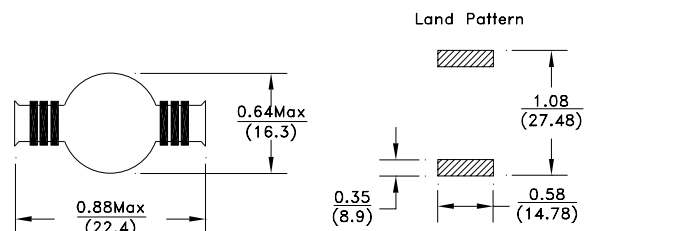
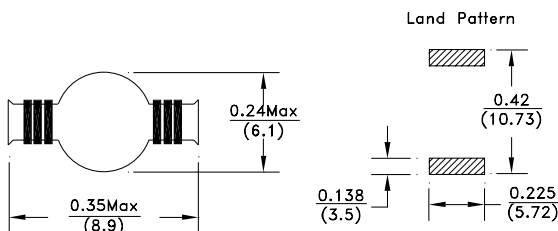
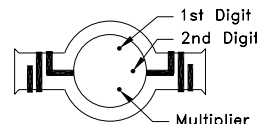
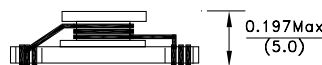
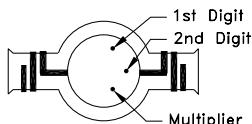
Part Number	L (μH) ±20%	DCR Max (mΩ)	Isat (A)	Irms (A)	Part Number	L (μH) ±20%	DCR Max (mΩ)	Isat (A)	Irms (A)
ASPI-0706HC					ASPI-1306HC				
ASPI-0706HC-R47	0.47	10	7.70	6.0	ASPI-1360HC-1R0	1.0	3.0	25	15.0
ASPI-0706HC-1R0	1.0	18	5.35	4.4	ASPI-1360HC-1R5	1.5	4.0	22	14.0
ASPI-0706HC-1R5	1.5	20	4.52	4.2	ASPI-1306HC-2R2	2.2	6.0	20	12.0
ASPI-0706HC-2R2	2.2	37	3.52	3.1	ASPI-1306HC-2R7	2.7	7.8	17	10.0
ASPI-0706HC-3R3	3.3	43	3.00	2.9	ASPI-1306HC-3R3	3.3	8.5	17	10.0
ASPI-0706HC-4R7	4.7	55	2.60	2.2	ASPI-1306HC-3R9	3.9	10.0	15	9.0
ASPI-0706HC-6R8	6.8	90	2.20	1.7	ASPI-1306HC-4R7	4.7	13.5	13	8.5
ASPI-0706HC-100	10	110	1.92	1.5	ASPI-1306HC-5R6	5.6	16.5	12	7.5
ASPI-0706HC-150	15	175	1.50	1.2	ASPI-1306HC-6R8	6.8	18.0	11	7.5
ASPI-0706HC-220	22	255	1.20	1.0	ASPI-1306HC-8R2	8.2	22.0	10	6.0
ASPI-0706HC-330	33	370	1.00	0.82	ASPI-1306HC-100	10	26.0	10	6.0
ASPI-0706HC-470	47	480	0.87	0.72	ASPI-1306HC-150	15	36.0	8	4.5
ASPI-0706HC-680	68	740	0.66	0.58	ASPI-1306HC-220	22	47.0	7	3.8
ASPI-0706HC-101	100	1100	0.54	0.47	ASPI-1306HC-330	33	70.0	5	2.5

PHYSICAL CHARACTERISTICS

ASPI-0706HC-XXX

Dimensions: Inches (mm)

ASPI-1306HC-XXX



TECHNICAL INFORMATION:

- Inductance measure at 100KHz 0.1VRms.
- Soldering temperature: 230°C for 4±1 seconds
- Operating temperature: -40°C to +85°C

Note: All specifications subject to change without notice.

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED

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