

SMD POWER INDUCTOR

ASPI-1907HC



RoHS
Compliant



19.4 x 13.3 x 6.8mm

MSL level: 2 (This product is packed by dry packaging)

FEATURES:

- Low profile, compact size
- Large Terminal surface for good PCB bonding
- Low DCR, High Energy storage, suitable for large currents
- Ideal for a variety of DC-DC converter inductor applications

APPLICATIONS:

- Notebook Computers
- Portable Communication Equipment
- LCD TV
- Power Supply For VTRs
- DC/DC Converters

STANDARD SPECIFICATIONS at 25°C:

Abrakon P/N:	ASPI-1907HC Series
Operating Temperature & Humidity :	-40°C to +85°C
Storage Temperature & Humidity:	-40°C to +105°C

Part Number	Inductance	Tolerance	DCR	Saturation Current
Units	μH	%	Ω	A
Symbol	L	P: +40%-20% M: ±20%	DCR max	I _{DC} Max
ASPI-1907HC-R47	0.47	P	0.003	25.1
ASPI-1907HC-1R0	1.0	P	0.004	15.3
ASPI-1907HC-1R5	1.5	P	0.006	12.0
ASPI-1907HC-2R2	2.2	M	0.008	10.2
ASPI-1907HC-3R3	3.3	M	0.009	9.3
ASPI-1907HC-4R7	4.7	M	0.012	7.7
ASPI-1907HC-6R8	6.8	M	0.019	6.2
ASPI-1907HC-100	10	M	0.027	5.2
ASPI-1907HC-150	15	M	0.032	4.3
ASPI-1907HC-220	22	M	0.050	3.7
ASPI-1907HC-330	33	M	0.069	3.0
ASPI-1907HC-470	47	M	0.109	2.4
ASPI-1907HC-680	68	M	0.156	2.0
ASPI-1907HC-101	100	M	0.206	1.8

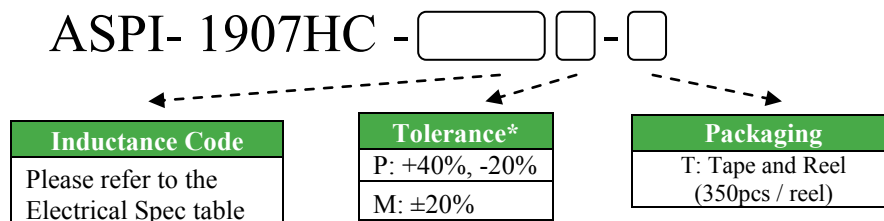
Test Conditions

IDC: The current when the inductance becomes 30% lower than its initial value. (Ta=25°C)

Test Freq. : 100KHz, 0.1V

OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)



*P for L = 0.47 ~ 1.5μH, M for L = 2.2~100μH

SMD POWER INDUCTOR

ASPI-1970HC

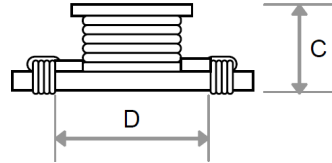
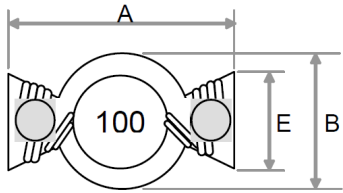


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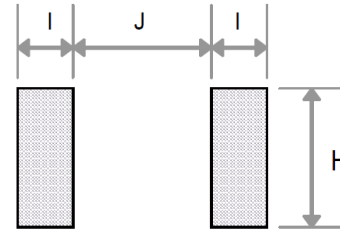


19.4 x 13.3 x 6.8mm

OUTLINE DRAWING:



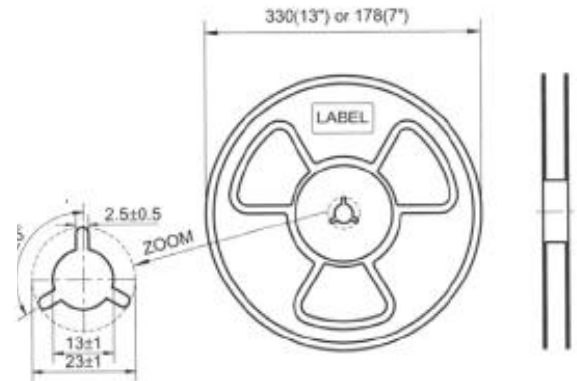
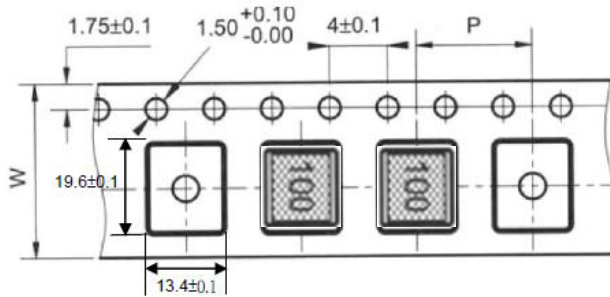
Recommended Land Pattern



	DIM.
A max.	19.40
B max.	13.30
C max.	6.80
D	12.7
E	6.6
H	8.00
I	3.8
J	11.70

Dimension : mm

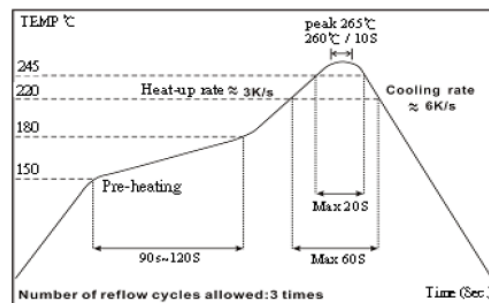
TAPE & REEL: T: 350pcs / reel



W	P	A ₀	B ₀
32	20	13.4± 0.1	19.6± 0.1

Dimension : mm

REFLOW PROFILE:



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