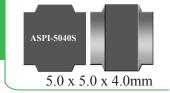
Low Profile Shielded SMD Chip Power Inductor

ASPI-5040S





> FEATURES:

- Magnetically shielded for low radiation
- Large Terminal surface for good PCB mounting
- Low DCR and high rated current
- Suitable for DC-DC converter applications

► APPLICATIONS:

- Partable communication equipment
- OA equipment
- LCD, DVD, modem, set-top box
- DC/DC converters

ELECTRICAL SPECIFICATIONS:

Part Number	Inductance	Tolerance	DCR Max	DCR Typ	Current Max	Temperature Rise Current Max
Units	μН	%	m Ω	$\mathrm{m}\Omega$	A	A
Symbol	L	M=±20%, N=±30%	DCR	DCR	Isat	Irms
ASPI-5040S-1R5	1.5	N	24	20	6.00	3.60
ASPI-5040S-2R2	2.2	N	26	22	4.60	3.50
ASPI-5040S-3R3	3.3	N	32	27	3.80	3.30
ASPI-5040S-4R7	4.7	N	35	29	3.30	3.10
ASPI-5040S-6R8	6.8	M	59	49	2.60	2.30
ASPI-5040S-100	10	M	67	56	2.30	2.10
ASPI-5040S-150	15	M	96	80	2.00	1.80
ASPI-5040S-220	22	M	151	126	1.60	1.40
ASPI-5040S-330	33	M	216	180	1.30	1.20
ASPI-5040S-470	47	M	372	310	1.10	0.90

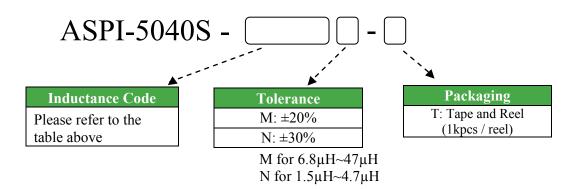
Test Criteria:

Inductance: 100kHz, 1V

Isat: Based on inductance change ($\Delta L/Lo : \leq 30\%$) Irms: Based on temperature rise ($\Delta T : 40^{\circ}C$ TYP.)

Storage Temperature	-10° C $\sim 40^{\circ}$ C.
Operating Temperature	$-25^{\circ}\text{C} \sim 120^{\circ}\text{C}$.

> OPTIONS AND PART IDENTIFICATION



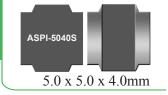




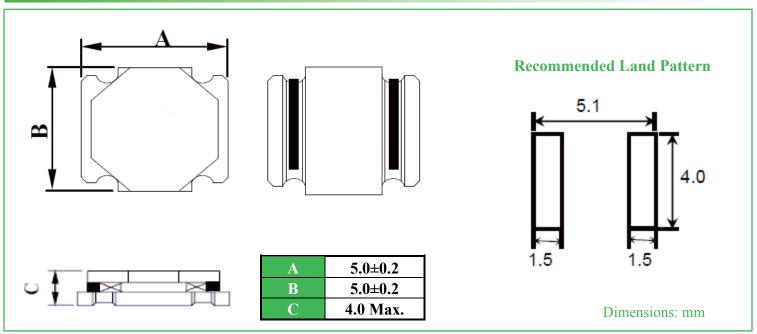
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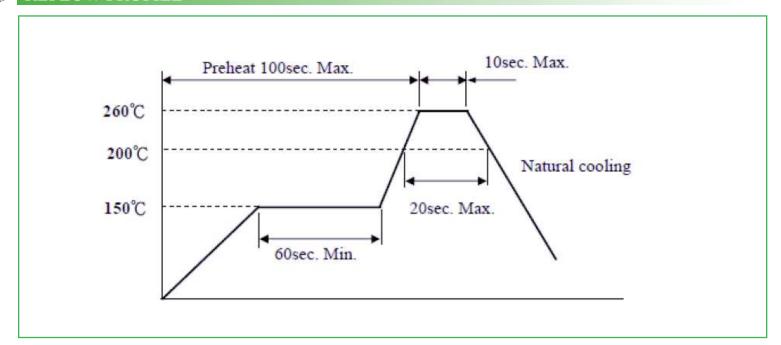




OUTLINE DRAWING:



> REFLOW PROFILE





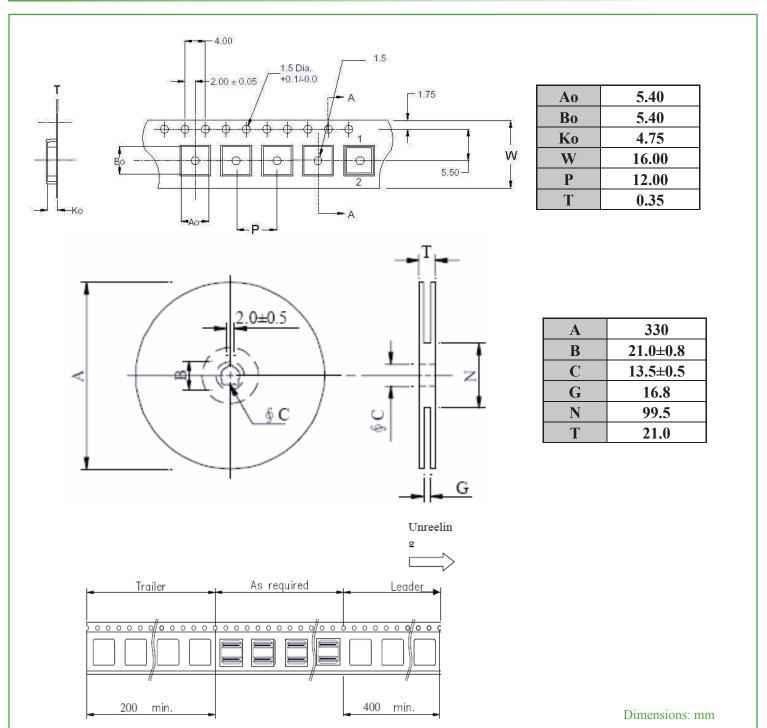
Low Profile Shielded SMD Chip Power Inductor

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➤ TAPE & REEL: T: 1000pcs/reel



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