ASPI-0630HI





> FEATURES:

- High saturation current.
- Low loss due to low DC resistance.
- Frequency application up to 3MHz.
- Low profile with max thickness 3.0mm.
- •100% lead free and meeted RoHS standard.
- Suitable for reflow soldering.
- High reliable SMD package

> APPLICATIONS:

- DC/DC converters in Notebook, Netbook, desktop and server
- Low profile, high current power supplies.

STANDARD SPECIFICATIONS

Abracon P/N:	ASPI-0630HI Series		
Operating Temperature & Humidity:	-55°C to +125°C (Including self generated heat)		
Storage Temperature & Humidity:	+25°C to +35°C, 45% to 85% RH		

Part Number	Inductance	Tolerance	DCR Typ	DCR Max	Saturation Current	Temperature Rise Current
Units	μH	%	mΩ	mΩ	A	A
Symbol	L	M			Isat	Irms
ASPI-0630HI-1R0	1.0	M	9.0	10.0	20.5	11.0
ASPI-0630HI-1R5	1.5	M	14.0	15.0	17.0	9.0
ASPI-0630HI-2R2	2.2	M	18.0	20.0	14.0	8.0
ASPI-0630HI-3R3	3.3	M	28.0	30.0	13.5	6.8
ASPI-0630HI-4R7	4.7	M	37.0	40.0	10.0	5.5
ASPI-0630HI-6R8	6.8	M	54.0	60.0	8.0	4.5
ASPI-0630HI-100	10.0	M	102.0	105.0	7.0	3.0

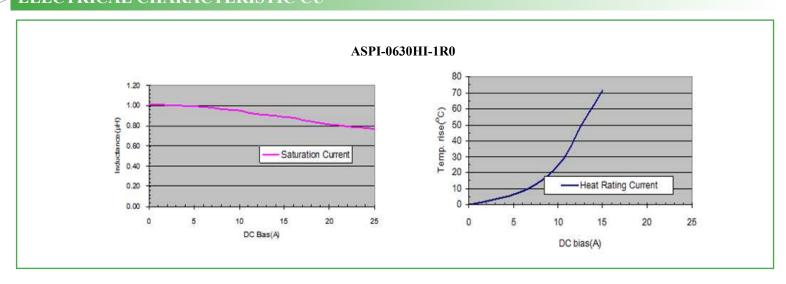
Test Conditions

Inductance is measured in HP-4285A Precision LCR Meter.

RDC is measured in HP-4338B milli ohm meter.(or equivalent).

Isat: Based on inductance change ($\Delta L/Lo : \le -20\%$) Irms: Based on temperature rise ($\Delta T : 40^{\circ}C$ TYP.)

ELECTRICAL CHARACTERISTIC CU





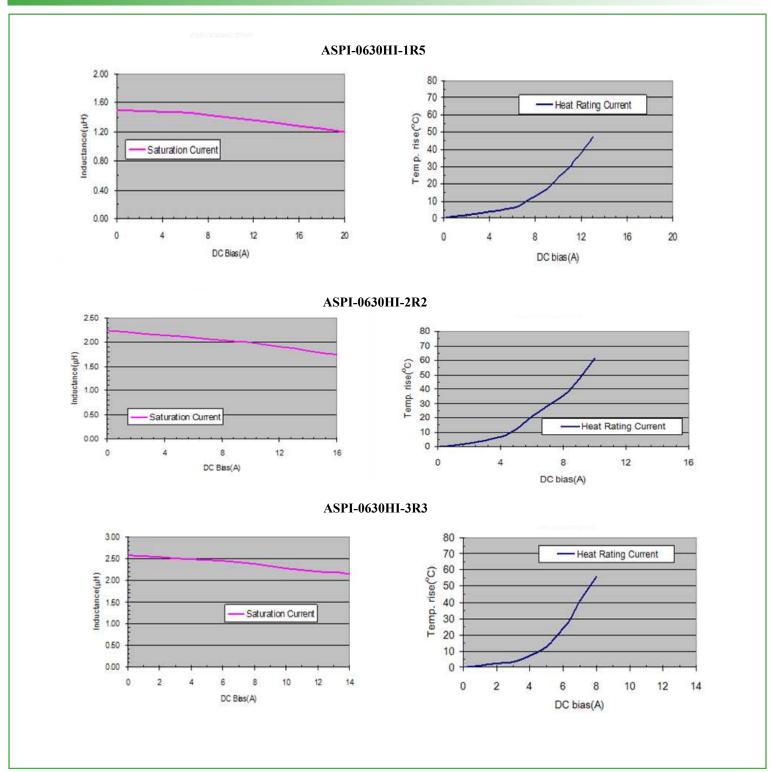


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ELECTRICAL CHARACTERISTIC CURVES



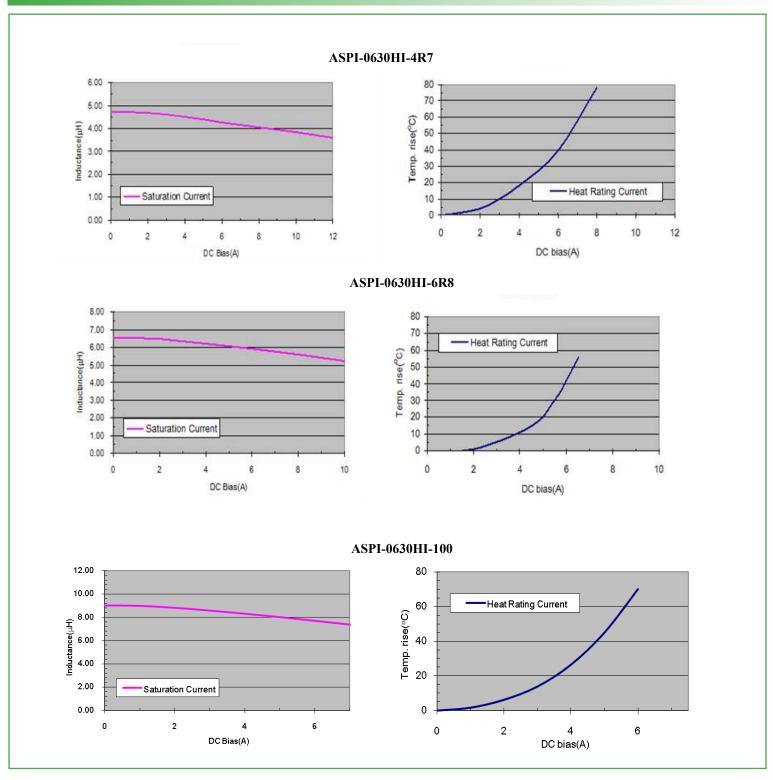


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ELECTRICAL CHARACTERISTIC CURVES



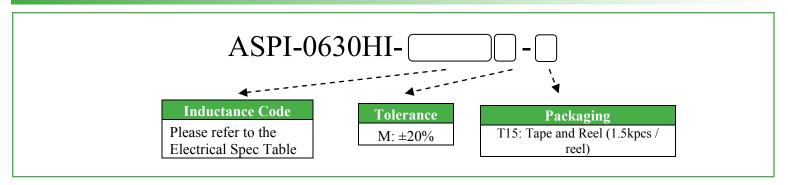


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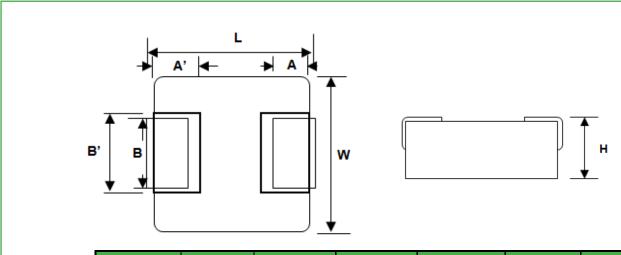




PART NUMBER IDENTIFICATION

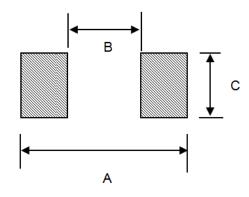


OUTLINE DRAWING:



A	A'	В	B '	L	\mathbf{W}	H max
1.6 ± 0.4	2.0 ± 0.1	3.0 ± 0.3	3.4 ± 0.2	7.2 ± 0.3	6.65 ± 0.2	3.0

Recommended Land Pattern



A	В	С
8.4	3.7	3.4

Dimension: mm

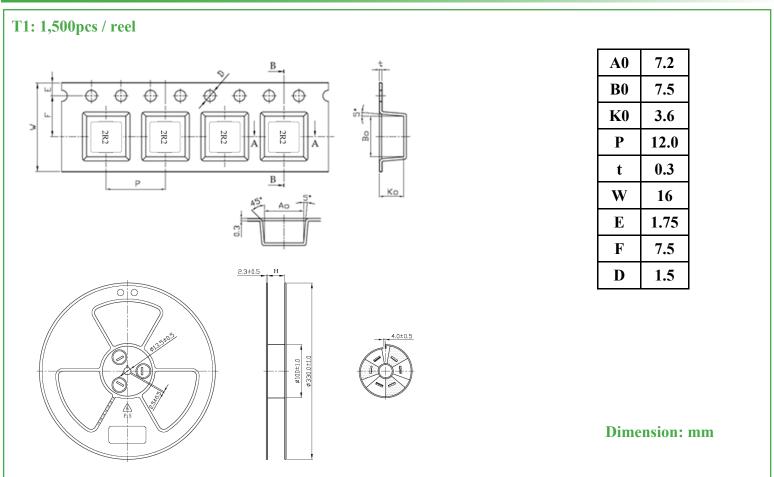


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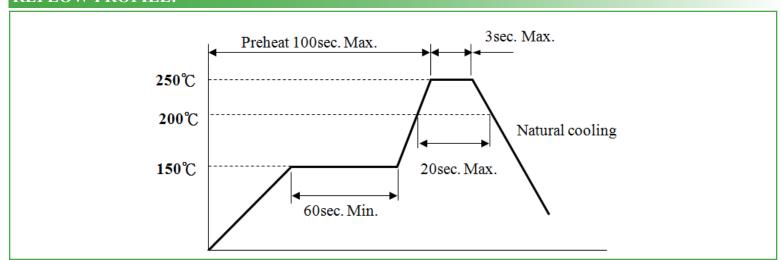




► TAPE & REEL:



REFLOW PROFILE:



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