

# HIGH CURRENT SHIELDED INDUCTOR

ASPI-4122



10.4 x 10.4 x 5.6mm

## FEATURES & APPLICATIONS:

- Surface Mountable High Saturation Power Inductors
- Applications: Power supply for VTR, OA equipment, LCD television set, notebook PC, portable communication, equipments, DC/DC converters, etc.

## STANDARD SPECIFICATIONS:

Part Number	L (μH) ±20%	ASPI-4122 (Low D.C.R Type)			ASPI-4122 (Standard Type)			ASPI-4122 (High Power Type)		
		DCR (mΩ) Max	Saturation Rated Current (A)	Temperature Rise Current(A)	DCR (mΩ) Max	Saturation Rated Current (A)	Temperature Rise Current(A)	DCR (mΩ) Max	Saturation Rated Current (A)	Temperature Rise Current(A)
ASPI-4122H- R15	0.15									
ASPI-4122S- R22	0.22				1.7	40.0	19.0			
ASPI-4122H- R30	0.30							2.4	40.0	17.7
ASPI-4122L- R36	0.36	1.7	24.0	19.0						
ASPI-4122S- R45	0.45				2.4	26.4	17.7			
ASPI-4122H- R50	0.50							4.1	30.4	13.0
ASPI-4122L(S,H)- R80	0.80	2.4	16.0	17.7	4.1	20.8	13.0	5.3	25.2	11.2
ASPI-4122H- 1R2	1.2							7.5	21.0	9.0
ASPI-4122S- 1R3	1.3				5.3	16.8	11.2			
ASPI-4122L- 1R4	1.4	4.1	12.0	13.0						
ASPI-4122H- 1R5	1.5							10.5	18.0	7.8
ASPI-4122S- 1R8	1.8				7.5	13.8	9.0			
ASPI-4122H- 2R0	2.0							12.4	15.8	7.4
ASPI-4122L- 2R2	2.2	5.3	9.6	11.2						
ASPI-4122S(H)- 2R5	2.5				10.5	11.8	7.8	18.0	14.0	6.2
ASPI-4122H- 3R0	3.0							23.8	12.6	4.9
ASPI-4122L(S)- 3R2	3.2	7.5	7.8	9.0	12.4	10.5	7.4			
ASPI-4122S- 4R0	4.0				18.0	9.3	6.2			
ASPI-4122L- 4R3	4.3	10.5	6.8	7.8						
ASPI-4122S- 5R0	5.0				23.8	8.4	4.9			
ASPI-4122L- 5R7	5.7	12.4	5.8	7.4						
ASPI-4122L- 7R2	7.2	18.0	5.3	6.2						
ASPI-4122L- 8R8	8.8	23.8	4.8	4.9						

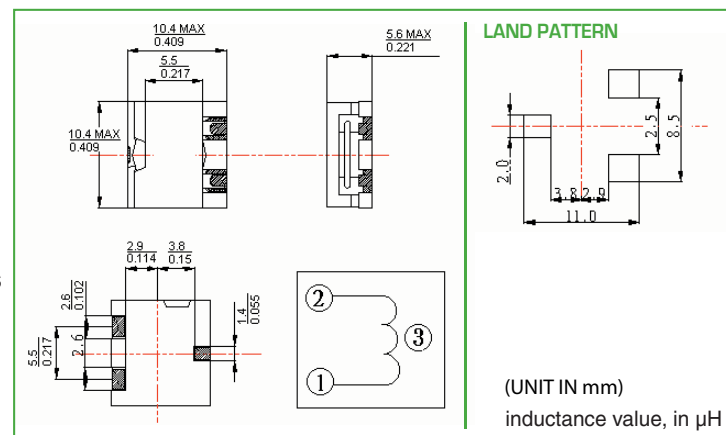
## TECHNICAL INFORMATION:

- Open Circuit Inductance Test Parameters: 100KHZ, 0.25V
  - DCR limits 25°C
  - Tolerance of inductance:
    - ASPI-4122(L)- 0.36uH ±30%(N) 0.8uH~8.8uH ±20%(M)
    - ASPI-4122(S)- 0.22uH ±30%(N) 0.45uH~5.0uH ±20%(M)
    - ASPI-4122(H)- 0.15uH ±30%(N) 0.5uH~3.0uH ±20%(M)
  - Saturation Rated Current: The current either the inductance value becomes 35% (tolerance: +30%) lower than its nominal value or becomes 25%(tolerance: +20%) lower than its nominal value. (Ta=25°C)
  - Temperature Rise Current (Typ.): The actual current when temperature of coil becomes ΔT=40°C (Ta=25°C)
- Note:** All specifications subject to change without notice.

## REMARKS:

- All solder and material are lead free
- Label packing box and reel: RoHS Compliance

## OUTLINE DRAWING:



## ORDERING CODE:

ASPI-4122L(S,H)- R80

