

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) $\pm 20\%$	ASPI-4122 (Low D.C.R Type)			ASPI-4122 (Standard Type)			ASPI-4122 (High Power Type)		
		DCR ($\text{m}\Omega$) Max	Saturation Rated Current (A)	Temperature Rise Current(A)	DCR ($\text{m}\Omega$) Max	Saturation Rated Current (A)	Temperature Rise Current(A)	DCR ($\text{m}\Omega$) Max	Saturation Rated Current (A)	Temperature Rise Current(A)
ASPI-4122H- R15	0.15							1.7	55.0	19.0
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						

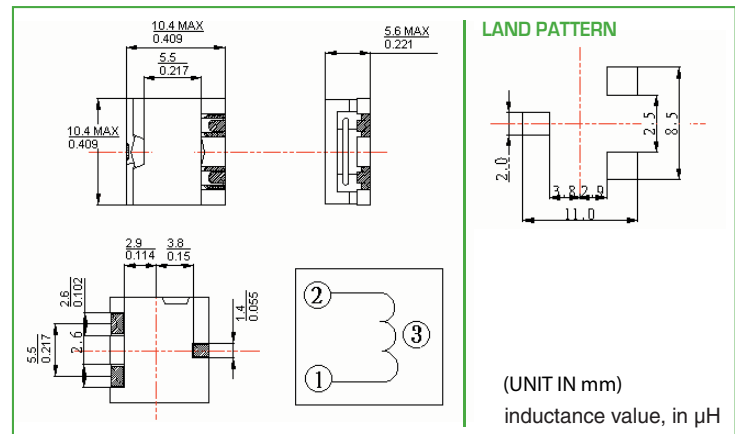
TECHNICAL INFORMATION:

- Open Circuit Inductance Test Parameters: 100KHZ, 0.25V
 - DCR limits 25°C
 - Tolerance of inductance:
 - ASPI-4122(L)- 0.36 μH $\pm 30\%$ (N) 0.8 μH ~8.8 μH $\pm 20\%$ ((M)
 - ASPI-4122(S)- 0.22 μH $\pm 30\%$ (N) 0.45 μH ~5.0 μH $\pm 20\%$ ((M)
 - ASPI-4122(H)- 0.15 μH $\pm 30\%$ (N) 0.5 μH ~3.0 μH $\pm 20\%$ ((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. ($T_a=25^\circ\text{C}$)
 - Temperature Rise Current (Typ.): The actual current when temperature of coil becomes $\Delta T=40^\circ\text{C}$ ($T_a=25^\circ\text{C}$)
- 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

Inductor

- L (Low D.C.R Type)
- S (Standard Type)
- H (High Power Type)

Size