HIGH CURRENT SHIELDED INDUCTOR

ASPI-4118-XXX

***RoHS COMPLIANT**



10.4 x 10.4 x 4.5mm

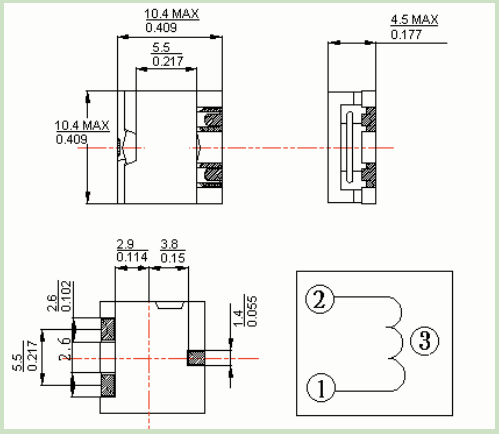
FEATURES & APPLICATIONS:

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

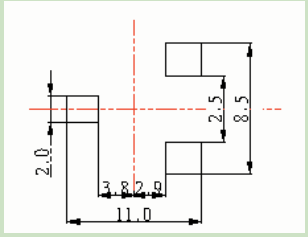
STANDARD SPECIFICATIONS:

Part Number	L (μH) ±20%	ASPI-4118 (Low D.C.R Type)			ASPI-4118 (Standard Type)		
		DCR (mΩ) Max	Saturation Rated Current (A)	Temperature Rise Current(A)	DCR (mΩ) Max	Saturation Rated Current (A)	Temperature Rise Current(A)
ASPI-4118S- R22	0.22				2.2	39.6	18.0
ASPI-4118L- R36	0.36	2.2	24.2	18.0			
ASPI-4118S- R45	0.45				3.7	27.6	13.4
ASPI-4118L(S)- R80	0.80	3.7	16.2	13.4	5.9	20.7	10.2
ASPI-4118S- 1R3	1.3				11.8	16.6	7.3
ASPI-4118L- 1R4	1.4	5.9	12.2	10.2			
ASPI-4118S- 1R8	1.8				18.6	13.3	5.4
ASPI-4118L- 2R2	2.2	11.8	9.8	7.3			
ASPI-4118S- 2R5	2.5				21.8	11.8	5.0
ASPI-4118L- 3R2	3.2	18.6	8.1	5.4			
ASPI-4118L- 4R3	4.3	21.8	7.0	5.0			

PHYSICAL CHARACTERISTICS:



LAND PATTERN



(Unit in mm)

TECHNICAL INFORMATION:

- Open Circuit Inductance
  Test Parameters: 100KHZ, 0.25V
- DCR limits 25°C
- Tolerance of inductance:
  ASPI-4118L- 0.36uH ±30%(N) 0.8uH~4.3uH ±20%((M)
  ASPI-4118S- 0.22uH ±30%(N) 0.45uH~2.5uH ±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)

PACKAGING INFORMATION:

- Parts are packaged on 13" reels. 500 parts per reel.

ORDERING CODE:

ASPI-4118L(S)- R80

- Inductor
- L (Low D.C.R Type)
- S (Standard Type)
- Size

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