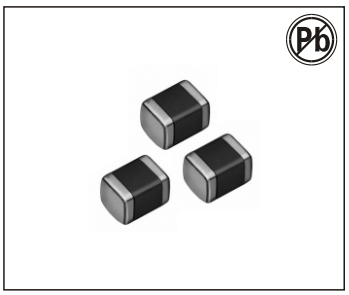
SURFACE-MOUNT MULTI-LAYER HIHG CURRENT INDUCTORS

AIML-1206UH SERIES



FEATURES:

- Compact size and light weight
- Excellentsolderability and heat resistance for either flow or reflow soldering
- No cross coupling between inductors due to magnetic shield
- Low RDC andHigh IDC

COMMON APPLICATIONS:

- Cellular platform DC-DCconverter circuit
- Portable AV equipment(digital camera,DVD Type)
- Cellular platform(handset Type)
- Memex(computer Type)

ELECTRICAL CHARACTERISTICS:

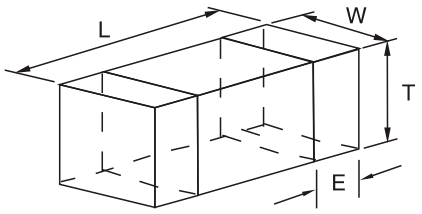
Part Number	L(uH) ±20%	L Tset Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
AIML1206UH-1R0M	1.0	1	60	0.15	1200
AIML1206UH-1R2M	1.2	1	65	0.15	1200
AIML1206UH-1R5M	1.5	1	60	0.17	1000
AIML1206UH-1R8M	1.8	1	55	0.24	900
AIML1206UH-2R2M	2.2	1	50	0.24	900
AIML1206UH-2R7M	2.7	1	45	0.30	800
AIML1206UH-3R3M	3.3	1	41	0.30	800
AIML1206UH-3R9M	3.9	1	38	0.38	700
AIML1206UH-4R7M	4.7	1	35	0.38	700
AIML1206UH-5R6M	5.6	1	32	0.45	500
AIML1206UH-6R8M	6.8	1	29	0.45	500
AIML1206UH-8R2M	8.2	1	26	0.55	300
AIML1206UH-100M	10	1	24	0.55	300
AIML1206UH-120M	12	1	22	0.55	300
AIML1206UH-150M	15	1	19	0.65	100
AIML1206UH-180M	18	1	18	0.65	100

TECHNICAL INFORMATION:

- Testing:(Equivalents acceptable)
  Inductance & Q-HP4195A+HP41951
  DCR:VOAC-7412
  SRF:HP8753C
- Solderability:75% of the terminal electrode shall be covered
  Preheat:@ 180℃±5℃ for 2-3 minutes
  Solder temperature:230℃ for 4 seconds ±1 second Flux:Emersion into methanol solution with Colophony for 3 to 5 seconds.
- IDC:The DC current at which tither the initial L value is decreased by 5% with the application of DC bias or the value of current at which the temperature of the element is increased by 20℃
- Operating Temperature: -25℃ to +85℃
- Storage Temperature: -25℃ to +85℃

PHYSICAL CHARACTERISTICS:

Dimensions:(mm)



L	3.2±0.2
W	1.6±0.2
T	0.9±0.2
E	0.5±0.3