

SURFACE-MOUNT MULTI-LAYER FERRITE CHIP INDUCTORS

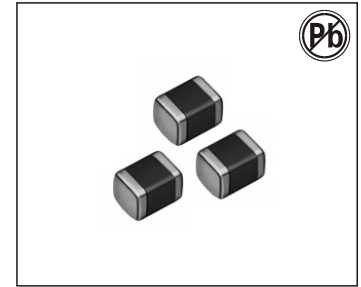
AIML-1806 SERIES

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

COMMON APPLICATIONS:

- Resonance circuit, traps, filter circuits
- RF choke in telecommunications equipment, cordless phones, radio equipment



ELECTRICAL CHARACTERISTICS:

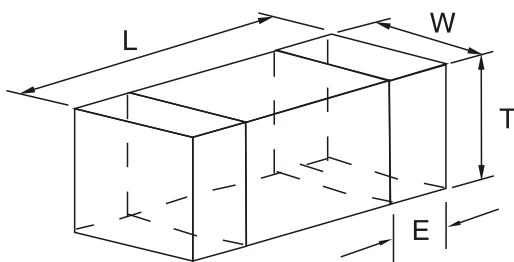
Part Number	L(uH) ± 10%	Q Min	L/Q Tset Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
AIML1806-1R0K	1.0	40	10	80	0.25	500
AIML1806-1R2K	1.2	40	10	75	0.30	500
AIML1806-1R5K	1.5	40	10	60	0.30	500
AIML1806-1R8K	1.8	40	10	55	0.35	450
AIML1806-2R2K	2.2	40	10	50	0.35	400
AIML1806-2R7K	2.7	40	10	45	0.40	400
AIML1806-3R3K	3.3	40	10	40	0.45	400
AIML1806-3R9K	3.9	40	10	35	0.45	400
AIML1806-4R7K	4.7	40	10	30	0.50	300
AIML1806-5R6K	5.6	40	4	20	0.50	300
AIML1806-6R8K	6.8	35	4	20	0.60	300
AIML1806-8R2K	8.2	35	4	15	0.70	250
AIML1806-100K	10	35	2	15	0.70	250

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°C ± 5°C for 2-3 minutes
Solder temperature:230°C 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°C
- Operating Temperature: -25°C to +85°C
- Storage Temperature: -25°C to +85°C

PHYSICAL CHARACTERISTICS:

Dimensions:(mm)



L	4.5 ± 0.2
W	1.6 ± 0.2
T	1.6 ± 0.2
E	0.5 ± 0.3