

SURFACE-MOUNT WIRE WOUND FERRITE CHIP INDUCTORS

AISC1206F SERIES

FEATURES:

- Miniature size, suitable for SMT
- Low DC resistance, high current and high inductance and high reliability

APPLICATIONS:

- Low DC resistance high current and high inductance and high reliability



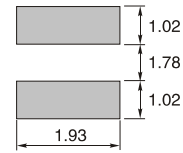
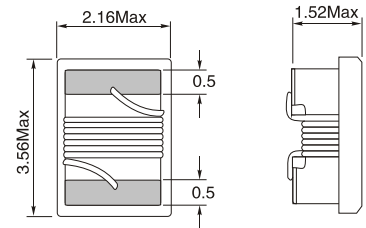
ELECTRICAL CHARACTERISTICS:

Part Number	L(uH)	Tolerance (%)	Q Min	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
AISC1206F-1R5□	1.5@7.96MHz	20,10,5	25@7.96MHz	260	1.2	320
AISC1206F-1R8□	1.8@7.96MHz	20,10,5	25@7.96MHz	250	1.2	320
AISC1206F-2R2□	2.2@7.96MHz	20,10,5	25@7.96MHz	240	1.3	300
AISC1206F-2R7□	2.7@7.96MHz	20,10,5	25@7.96MHz	230	1.4	300
AISC1206F-3R3□	3.3@7.96MHz	20,10,5	25@7.96MHz	200	1.5	280
AISC1206F-3R9□	3.9@7.96MHz	20,10,5	25@7.96MHz	190	1.9	280
AISC1206F-4R7□	4.7@7.96MHz	20,10,5	25@7.96MHz	170	2.2	280
AISC1206F-5R6□	5.6@7.96MHz	20,10,5	25@7.96MHz	160	2.4	260
AISC1206F-6R8□	6.8@7.96MHz	20,10,5	25@7.96MHz	150	2.8	240
AISC1206F-8R2□	8.2@7.96MHz	20,10,5	25@7.96MHz	130	3.1	220
AISC1206F-100□	10@7.96MHz	20,10,5	25@7.96MHz	120	4.0	200
AISC1206F-120□	12@2.52MHz	20,10,5	18@2.52MHz	110	4.6	200
AISC1206F-150□	15@2.52MHz	20,10,5	16@2.52MHz	90	8.2	160
AISC1206F-180□	18@2.52MHz	20,10,5	16@2.52MHz	80	9.0	130

□ G= ± 2%, J= ± 5%, K= ± 10%, M= ± 20%, N= ± 30%

PHYSICAL CHARACTERISTICS:

Dimensions:(mm)

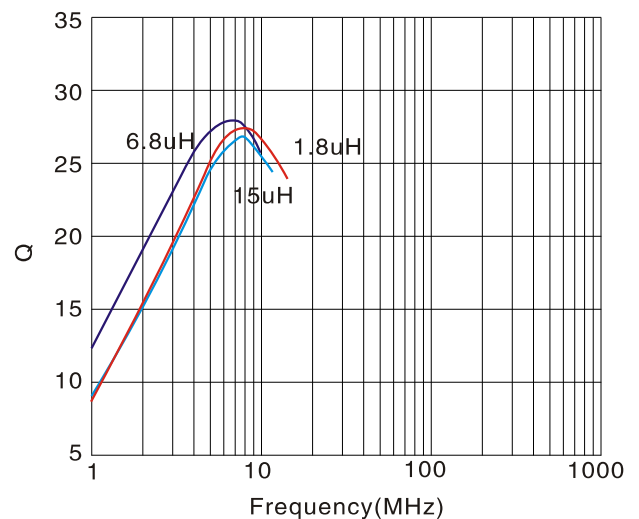
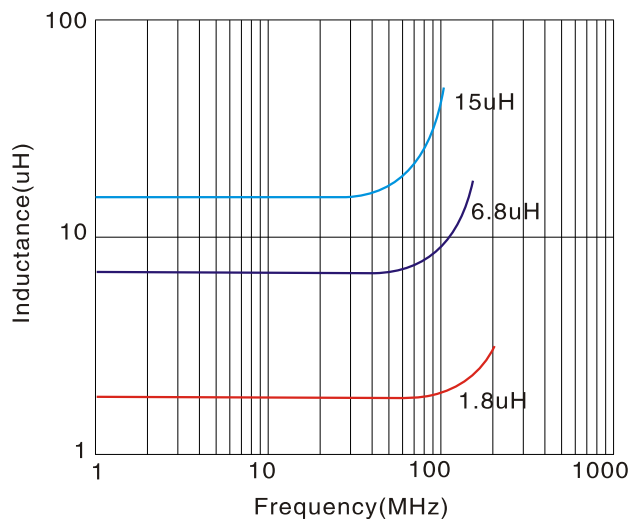


PCB LAYOUT

Winding



TYPICAL CURVE:



- Testing: (Equivalent acceptable) @ 25°C
- Operating Temperature: -40°C to +125°C
- Solder methods: Wave, Reflow, Vapor Phase
- Solderability: Max 260°C for 10 seconds