

SURFACE-MOUNT WIRE WOUND FERRITE CHIP INDUCTORS

AISC0805F SERIES

FEATURES:

- Minature 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
AISC0805F-1R0□	1.0@7.96MHz	10,5	12@7.96MHz	360	1.00	430
AISC0805F-1R2□	1.2@7.96MHz	10,5	12@7.96MHz	350	1.15	410
AISC0805F-1R5□	1.5@7.96MHz	10,5	12@7.96MHz	300	1.20	400
AISC0805F-1R8□	1.8@7.96MHz	10,5	12@7.96MHz	200	1.35	380
AISC0805F-2R2□	2.2@7.96MHz	10,5	12@7.96MHz	170	1.50	350
AISC0805F-2R7□	2.7@7.96MHz	10,5	12@7.96MHz	100	1.70	320
AISC0805F-3R3□	3.3@7.96MHz	10,5	12@7.96MHz	90	1.80	300
AISC0805F-3R9□	3.9@7.96MHz	10,5	12@7.96MHz	90	1.95	280
AISC0805F-4R7□	4.7@7.96MHz	10,5	12@7.96MHz	85	2.05	250
AISC0805F-5R6□	5.6@7.96MHz	10,5	12@7.96MHz	70	2.30	240
AISC0805F-6R8□	6.8@7.96MHz	10,5	12@7.96MHz	55	2.60	220
AISC0805F-7R5□	7.5@7.96MHz	10,5	12@7.96MHz	55	2.80	210
AISC0805F-8R2□	8.2@7.96MHz	10,5	12@7.96MHz	50	3.00	180
AISC0805F-100□	10@2.52MHz	10,5	10@2.52MHz	30	3.20	150
AISC0805F-120□	12@2.52MHz	10,5	10@2.52MHz	17	3.50	110
AISC0805F-150□	15@2.52MHz	10,5	10@2.52MHz	16	4.20	100
AISC0805F-180□	18@2.52MHz	10,5	10@2.52MHz	15	4.50	95
AISC0805F-220□	22@2.52MHz	10,5	10@2.52MHz	14	6.00	80

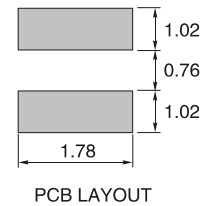
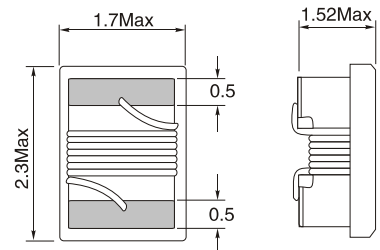
□ G= ± 2%, J= ± 5%, K= ± 10%, M= ± 20%, N= ± 30%

NOTES:

- Testing: (Equivalent acceptable)@ 25℃ Inductance,Q: HP4191A, SRF:HP8753B
- Operating Temperature: -40℃ to +125℃
- Solder methods: Wave, Reflow,Vapor Phase
- Solderability: Max 260℃ for 10 seconds

PHYSICAL CHARACTERISTICS:

Dimensions:(mm)

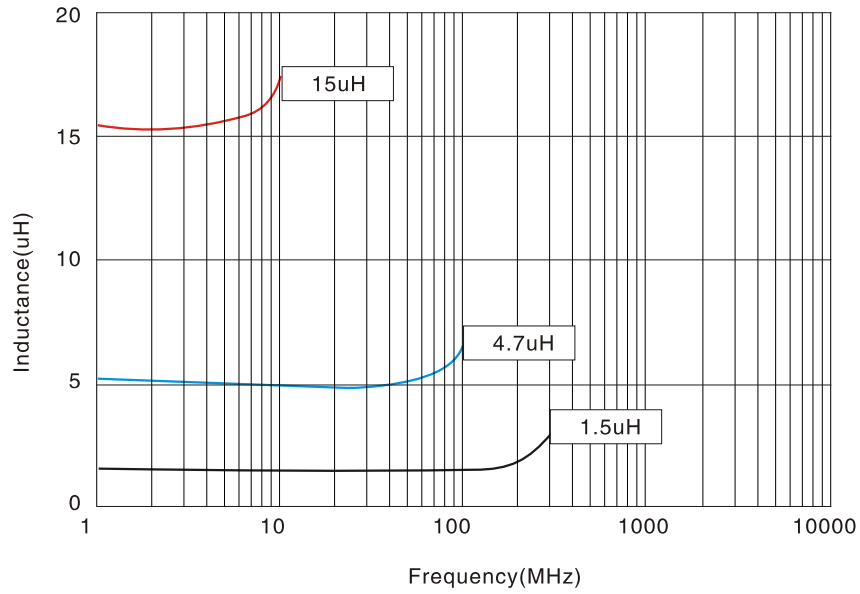


Winding



SURFACE-MOUNT WIRE WOUND CERAMIC CHIP INDUCTORS

Inductance vs Frequency



Q vs Frequency

