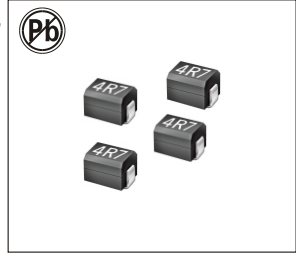


# HIGH CURRENT SURFACE MOUNT WOUND MOLDED CHIP INDUCTORS

## AISM1210C SERIES



### FEATURES:

- Lead-free materials is used for the plating on the terminals.
- The product uses metal terminals, which realize excellent connection reliability.
- High resistance to heat, humidity, mechanical shocks and presser. Accurate dimensions for automatically surface mounted.
- The product has good heat durability that withstands lead-free compatible reflow soldering conditions.

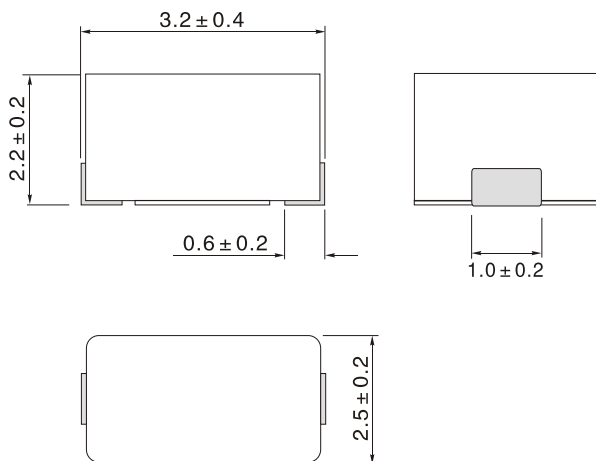
### APPLICATIONS:

- Communication
- Equipment
- Instrument
- Video & audio

## ELECTRICAL CHARACTERISTICS:

Part Number	Inductance (uH)	Inductance Tolerance (%)	Q min.	Test Frequency L,Q (MHz)	Self-resonant Frequency (MHz)min.	DC resistance (Ω) max.	Rated current. (mA)max.
AISM1210C-1R0M	1	± 20%	10	7.96	100	0.156	770
AISM1210C-1R5M	1.5	± 20%	10	7.96	80	0.195	580
AISM1210C-2R2M	2.2	± 20%	10	7.96	65	0.260	480
AISM1210C-3R3M	3.3	± 20%	10	7.96	55	0.325	400
AISM1210C-4R7M	4.7	± 20%	10	7.96	45	0.520	320
AISM1210C-6R8M	6.8	± 20%	10	7.96	35	0.650	280
AISM1210C-100K	10	± 10%	15	2.52	28	1.105	220
AISM1210C-150K	15	± 10%	15	2.52	25	1.69	180
AISM1210C-220K	22	± 10%	15	2.52	20	2.60	145
AISM1210C-330K	33	± 10%	15	2.52	15	3.64	115
AISM1210C-390K	39	± 10%	15	2.52	14	4.50	110
AISM1210C-470K	47	± 10%	15	2.52	13	5.46	105
AISM1210C-680K	68	± 10%	15	2.52	10	8.45	85
AISM1210C-820K	82	± 10%	15	2.52	9	8.71	80
AISM1210C-101K	100	± 10%	15	0.796	8	9.14	75

## PHYSICAL CHARACTERISTICS

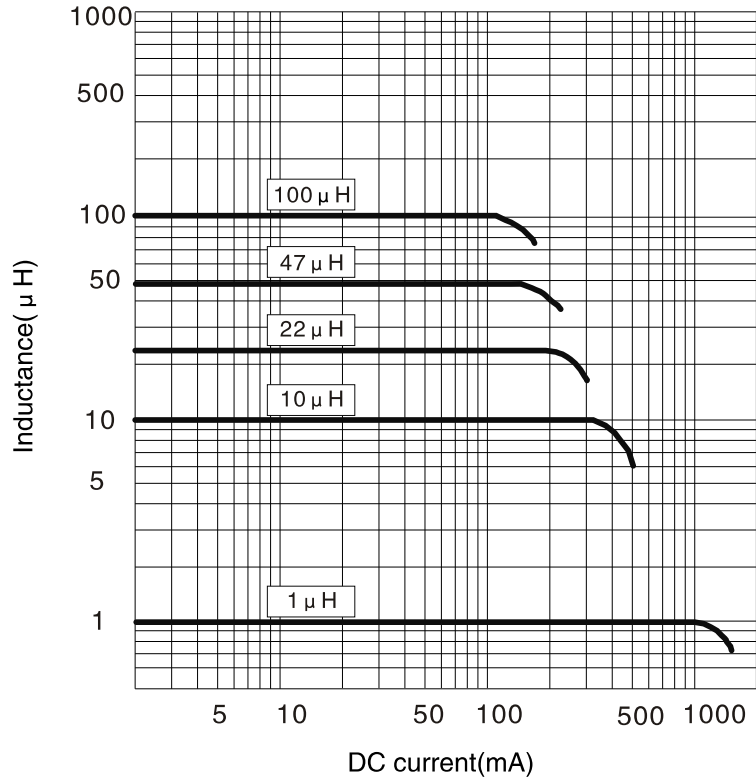


### Winding



- Testing: (Equivalent acceptable)  
Inductance:HP4285A  
RDC:QuadTech 1880 Milliohmmer  
Q: HP4342A  
SRF:HP4291A
- Operating temperature: -25°C to +85°C
- Storage Temperature: -40°C to +85°C
- Resistance to soldering heat:260°C for 10 seconds
- Marking: Inductance & Tolerance

**DC BISE CURVE**



**IMPEDANCE VS FREQUENCY CURVE**

