

# WIRE WOUND MOLDED SHIELDED CHIP INDUCTORS

## AISS-1210 SERIES



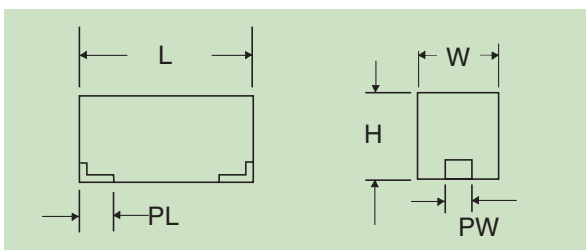
### STANDARD SPECIFICATIONS:

PART NUMBER	L (μH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR Ω (MAX)	I <sub>DC</sub> (mA) (MAX)
AISS-1210-R010M	0.010	50	50	1000	0.10	810
AISS-1210-R012M	0.012	50	50	1000	0.11	750
AISS-1210-R015M	0.015	50	50	1000	0.12	720
AISS-1210-R018M	0.018	50	50	1000	0.13	690
AISS-1210-R022M	0.022	45	50	1000	0.15	640
AISS-1210-R027M	0.027	45	50	1000	0.17	610
AISS-1210-R033M	0.033	45	50	1000	0.18	585
AISS-1210-R039M	0.039	40	50	1000	0.24	530
AISS-1210-R047M	0.047	40	50	1000	0.26	495
AISS-1210-R056M	0.056	40	50	1000	0.28	485
AISS-1210-R068M	0.068	40	50	1000	0.35	475
AISS-1210-R082M	0.082	38	50	900	0.45	460
AISS-1210-R10M	0.10	36	50	700	0.50	450
AISS-1210-R12M	0.12	40	25.2	500	0.20	630
AISS-1210-R15M	0.15	40	25.2	470	0.20	600
AISS-1210-R18M	0.18	40	25.2	400	0.24	580
AISS-1210-R22M	0.22	40	25.2	330	0.30	565
AISS-1210-R27M	0.27	40	25.2	310	0.33	500
AISS-1210-R33M	0.33	40	25.2	280	0.36	475
AISS-1210-R39M	0.39	40	25.2	230	0.40	465
AISS-1210-R47M	0.47	40	25.2	220	0.44	460
AISS-1210-R56M	0.56	40	25.2	200	0.46	455
AISS-1210-R68M	0.68	40	25.2	180	0.48	450
AISS-1210-R82M	0.82	40	25.2	160	0.50	450
AISS-1210-1R0K	1.00	30	7.96	120	0.60	400

PART NUMBER	L (μH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR Ω (MAX)	I <sub>DC</sub> (mA) (MAX)
AISS-1210-1R2K	1.2	30	7.96	110	0.65	390
AISS-1210-1R5K	1.5	30	7.96	90	0.75	370
AISS-1210-1R8K	1.8	30	7.96	85	0.85	350
AISS-1210-2R2K	2.2	30	7.96	65	0.90	320
AISS-1210-2R7K	2.7	30	7.96	60	1.0	290
AISS-1210-3R3K	3.3	30	7.96	60	1.1	270
AISS-1210-3R9K	3.9	30	7.96	58	1.2	250
AISS-1210-4R7KL	4.7	30	7.96	52	1.3	220
AISS-1210-5R6K	5.6	30	7.96	50	1.4	205
AISS-1210-6R8K	6.8	30	7.96	40	1.6	200
AISS-1210-8R2K	8.2	30	7.96	35	1.7	195
AISS-1210-100K	10	30	2.52	30	2.0	185
AISS-1210-120K	12	30	2.52	24	2.3	175
AISS-1210-150K	15	30	2.52	20	2.5	165
AISS-1210-180K	18	30	2.52	17	2.7	155
AISS-1210-220K	22	30	2.52	16	3.1	150
AISS-1210-270K	27	30	2.52	14	3.3	125
AISS-1210-330K	33	30	2.52	14	5.1	115
AISS-1210-390K	39	30	2.52	14	5.9	105
AISS-1210-470K	47	30	2.52	13	8.0	100
AISS-1210-560K	56	30	2.52	11	10.0	95
AISS-1210-680K	68	30	2.52	11	11.0	90
AISS-1210-820K	82	30	2.52	11	12.0	85
AISS-1210-101K	100	30	0.796	6	12.0	80

	Length (L)	Width (W)	Height (H)	Pad Width (PW)	Pad Length (PL)
AISS-1210	0.125±.008 (3,25±0,2)	0.098±.008 (2,49±0,2)	0.086±.008 (2,2±0,2)	0.040±.004 (1,02±0,1)	0.028±.004 (0,71±0,1)

### PHYSICAL CHARACTERISTICS:



### TECHNICAL INFORMATION:

- Inductance (L) tolerance: J = 5%, K = 10%, M = 20%
  - Letter suffix indicates standard tolerance
  - Current rating at which inductance (L) drops 10%
  - Operating temperature -40°C to +85°C
  - Dimensions: inches / mm; see spec sheet for tolerance limits
- Note:** All specifications subject to change without notice.