

# WIRE WOUND MOLDED SHIELDED CHIP INDUCTORS

## AISS-1812 SERIES



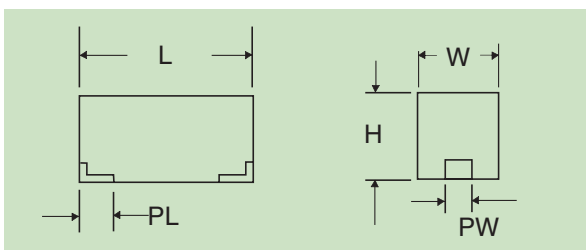
### STANDARD SPECIFICATIONS:

PART NUMBER	L (μH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR Ω (MAX)	I <sub>DC</sub> (mA) (MAX)
AISS-1812-R10M	0.10	30	25.2	460	0.23	450
AISS-1812-R12M	0.12	30	25.2	400	0.26	450
AISS-1812-R15M	0.15	30	25.2	390	0.29	450
AISS-1812-R18M	0.18	30	25.2	350	0.32	450
AISS-1812-R22M	0.22	30	25.2	310	0.36	450
AISS-1812-R27M	0.27	30	25.2	280	0.40	450
AISS-1812-R33M	0.33	30	25.2	240	0.45	450
AISS-1812-R39M	0.39	30	25.2	215	0.60	410
AISS-1812-R47M	0.47	30	25.2	205	0.75	370
AISS-1812-R56M	0.56	30	25.2	195	0.80	355
AISS-1812-R68M	0.68	30	25.2	165	0.95	310
AISS-1812-R82M	0.82	30	25.2	155	1.2	285
AISS-1812-1R0K	1.0	30	7.96	140	0.35	150
AISS-1812-1R2K	1.2	30	7.96	120	0.38	145
AISS-1812-1R5K	1.5	30	7.96	100	0.4	140
AISS-1812-1R8K	1.8	30	7.96	90	0.43	130
AISS-1812-2R2K	2.2	30	7.96	80	0.46	120
AISS-1812-2R7K	2.7	30	7.96	67	0.49	110
AISS-1812-3R3K	3.3	30	7.96	61	0.55	105
AISS-1812-3R9K	3.9	30	7.96	56	0.59	100
AISS-1812-4R7K	4.7	30	7.96	50	0.61	92
AISS-1812-5R6K	5.6	30	7.96	40	0.69	86
AISS-1812-6R8K	6.8	30	7.96	32	0.75	80
AISS-1812-8R2K	8.2	30	7.96	30	0.82	75
AISS-1812-100K	10	30	2.52	25	0.9	70

PART NUMBER	L (μH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR Ω (MAX)	I <sub>DC</sub> (mA) (MAX)
AISS-1812-120K	12	30	2.52	22	1.0	65
AISS-1812-150K	15	30	2.52	18	1.1	60
AISS-1812-180K	18	30	2.52	14	1.4	54
AISS-1812-220K	22	30	2.52	13	1.5	52
AISS-1812-270K	27	50	2.52	13	1.6	50
AISS-1812-330K	33	50	2.52	12	1.7	47
AISS-1812-390K	39	50	2.52	11	1.9	44
AISS-1812-470K	47	50	2.52	9.0	2.1	41
AISS-1812-560K	56	50	2.52	8.0	2.3	39
AISS-1812-680K	68	50	2.52	7.6	2.6	39
AISS-1812-820K	82	50	2.52	7.2	2.9	36
AISS-1812-101K	100	50	0.796	7.0	3.3	32
AISS-1812-121K	120	50	0.796	6.0	3.6	30
AISS-1812-151K	150	50	0.796	5.0	4.2	28
AISS-1812-181K	180	40	0.796	4.5	5.7	26
AISS-1812-221K	220	40	0.796	4.2	6.3	24
AISS-1812-271K	270	40	0.796	4.0	6.9	23
AISS-1812-331K	330	40	0.796	3.7	7.5	22
AISS-1812-391K	390	40	0.796	3.5	8.2	21
AISS-1812-471K	470	40	0.796	3.3	9.2	19
AISS-1812-561K	560	40	0.796	2.8	10.5	18
AISS-1812-681K	680	40	0.796	2.6	12.0	17
AISS-1812-821K	820	40	0.796	3.5	13.5	16
AISS-1812-102K	1000	40	0.796	2.0	16.0	15

	Length (L)	Width (W)	Height (H)	Pad Width (PW)	Pad Length (PL)
AISS-1812	0.177±.012 (4,5±0,3)	0.125±.008 (3,2±0,2)	0.125±.008 (3,2±0,2)	0.050±.004 (1,27±0,1)	0.040±.004 (1,0±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.