

# WIRE WOUND MOLDED CHIP INDUCTORS



## AISM-1812 SERIES

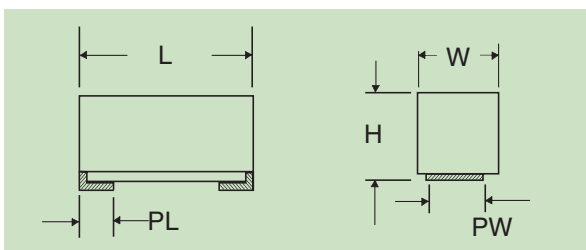
### STANDARD SPECIFICATIONS:

PART NUMBER	L (μH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR Ω (MAX)	I <sub>DC</sub> (mA) (MAX)
AISM-1812-R10M	0.10	35	25.2	300	0.20	800
AISM-1812-R12M	0.12	35	25.2	300	0.20	770
AISM-1812-R15M	0.15	35	25.2	250	0.20	730
AISM-1812-R18M	0.18	35	25.2	220	0.20	700
AISM-1812-R22M	0.22	40	25.2	200	0.30	665
AISM-1812-R27M	0.27	40	25.2	180	0.30	635
AISM-1812-R33M	0.33	40	25.2	165	0.30	605
AISM-1812-R39M	0.39	40	25.2	150	0.30	575
AISM-1812-R47M	0.47	40	25.2	145	0.30	545
AISM-1812-R56M	0.56	40	25.2	140	0.40	520
AISM-1812-R68M	0.68	40	25.2	135	0.40	500
AISM-1812-R82M	0.82	40	25.2	130	0.50	475
AISM-1812-1R0K	1.0	50	7.96	100	0.50	450
AISM-1812-1R2K	1.2	50	7.96	80	0.60	430
AISM-1812-1R5K	1.5	50	7.96	70	0.60	410
AISM-1812-1R8K	1.8	50	7.96	60	0.70	390
AISM-1812-2R2K	2.2	50	7.96	55	0.70	380
AISM-1812-2R7K	2.7	50	7.96	50	0.80	370
AISM-1812-3R3K	3.3	50	7.96	45	0.80	355
AISM-1812-3R9K	3.9	50	7.96	40	0.90	330
AISM-1812-4R7K	4.7	50	7.96	35	1.00	315
AISM-1812-5R6K	5.6	50	7.96	33	1.10	300
AISM-1812-6R8K	6.8	50	7.96	27	1.20	285
AISM-1812-8R2K	8.2	50	7.96	25	1.40	270
AISM-1812-100K	10	50	2.52	20	1.60	250

PART NUMBER	L (μH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR Ω (MAX)	I <sub>DC</sub> (mA) (MAX)
AISM-1812-120K	12	50	2.52	18	2.0	225
AISM-1812-150K	15	50	2.52	17	2.5	200
AISM-1812-180K	18	50	2.52	15	2.8	190
AISM-1812-220K	22	50	2.52	13	3.2	180
AISM-1812-270K	27	50	2.52	12	3.6	170
AISM-1812-330K	33	50	2.52	11	4.0	160
AISM-1812-390K	39	50	2.52	10	4.5	150
AISM-1812-470K	47	50	2.52	10	5.0	140
AISM-1812-560K	56	50	2.52	9	5.5	135
AISM-1812-680K	68	50	2.52	9	6.0	130
AISM-1812-820K	82	50	2.52	8	7.0	120
AISM-1812-101K	100	30	0.796	8	8.0	110
AISM-1812-121K	120	50	0.796	6	8.0	110
AISM-1812-151K	150	50	0.796	5	9.0	105
AISM-1812-181K	180	40	0.796	5	9.5	102
AISM-1812-221K	220	40	0.796	4	10	100
AISM-1812-271K	270	40	0.796	4	12	92
AISM-1812-331K	330	40	0.796	3.5	14	85
AISM-1812-391K	390	40	0.796	3	18	80
AISM-1812-471K	470	40	0.796	3	26	62
AISM-1812-561K	560	30	0.796	3	30	50
AISM-1812-681K	680	30	0.796	3	30	50
AISM-1812-821K	820	30	0.796	2.5	35	30
AISM-1812-102K	1000	20	0.796	2.5	4.0	50

	Length (L)	Width (W)	Height (H)	Pad Width (PW)	Pad Length (PL)
AISM-1812	0.177±.012 (4,5±0,3)	0.125±.008 (3,2±0,2)	0.125±.008 (3,2±0,2)	0.047±.004 (1,2±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 +125°C
- Dimensions: inches / mm; see spec sheet for tolerance limits

Note: All specifications subject to change without notice.