

# SURFACE-MOUNT WOUND MOLDED CHIP INDUCTORS

## AISM-1210 SERIES

### FEATURES:

- Molded construction
- Heat Resistant Molded Resin
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability
- Low Profile

### OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)  
Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

### COMMON APPLICATIONS:

- VCRs
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

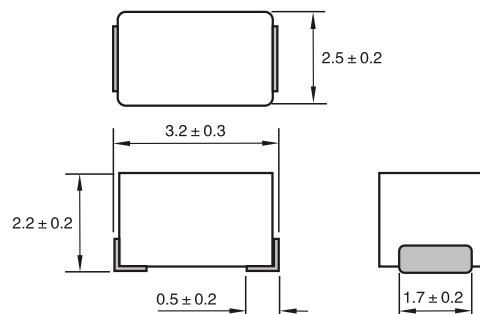
### ELECTRICAL CHARACTERISTICS:

Part Number	L $\mu$ H	Tol %	Q Min	SRF MHz Min	DCR $\Omega$ Max	IDC Max mA	Test Freq MHz	Part Number	L $\mu$ H	Tol %	Q Min	SRF MHz Min	DCR $\Omega$ Max	IDC Max mA	Test Freq MHz
AISM-1210-R12M	0.12	$\pm 20$	30	500	0.22	450	25.2	AISM-1210-8R2K	8.2	$\pm 10$	30	40	2.0	170	7.96
AISM-1210-R15M	0.15	$\pm 20$	30	450	0.25	450	25.2	AISM-1210-100K	10	$\pm 10$	30	36	2.1	150	2.52
AISM-1210-R18M	0.18	$\pm 20$	30	400	0.28	450	25.2	AISM-1210-120K	12	$\pm 10$	30	33	2.5	140	2.52
AISM-1210-R22M	0.22	$\pm 20$	30	350	0.32	450	25.2	AISM-1210-150K	15	$\pm 10$	30	30	2.8	130	2.52
AISM-1210-R27M	0.27	$\pm 20$	30	320	0.36	450	25.2	AISM-1210-180K	18	$\pm 10$	30	27	3.3	120	2.52
AISM-1210-R33M	0.33	$\pm 20$	30	300	0.40	450	25.2	AISM-1210-220K	22	$\pm 10$	30	25	3.7	110	2.52
AISM-1210-R39M	0.39	$\pm 20$	30	250	0.45	450	25.2	AISM-1210-270K	27	$\pm 10$	30	20	5.0	80	2.52
AISM-1210-R47M	0.47	$\pm 20$	30	220	0.50	450	25.2	AISM-1210-330K	33	$\pm 10$	30	17	5.6	70	2.52
AISM-1210-R56M	0.56	$\pm 20$	30	180	0.55	450	25.2	AISM-1210-390K	39	$\pm 10$	30	16	6.4	65	2.52
AISM-1210-R68M	0.68	$\pm 20$	30	160	0.60	450	25.2	AISM-1210-470K	47	$\pm 10$	30	15	7.0	60	2.52
AISM-1210-R82M	0.82	$\pm 20$	30	140	0.65	450	25.2	AISM-1210-560K	56	$\pm 10$	30	13	8.0	55	2.52
AISM-1210-1R0K	1.0	$\pm 10$	30	120	0.70	400	7.96	AISM-1210-680K	68	$\pm 10$	30	12	9.0	50	2.52
AISM-1210-1R2K	1.2	$\pm 10$	30	100	0.75	390	7.96	AISM-1210-820K	82	$\pm 10$	30	11	10	45	2.52
AISM-1210-1R5K	1.5	$\pm 10$	30	85	0.85	370	7.96	AISM-1210-101K	100	$\pm 10$	20	10	10	40	0.796
AISM-1210-1R8K	1.8	$\pm 10$	30	80	0.90	350	7.96	AISM-1210-121K	120	$\pm 10$	20	10	11	70	0.796
AISM-1210-2R2K	2.2	$\pm 10$	30	75	1.0	320	7.96	AISM-1210-151K	150	$\pm 10$	20	8	15	65	0.796
AISM-1210-2R7K	2.7	$\pm 10$	30	70	1.1	290	7.96	AISM-1210-181K	180	$\pm 10$	20	7	17	60	0.796
AISM-1210-3R3K	3.3	$\pm 10$	30	60	1.2	270	7.96	AISM-1210-221K	220	$\pm 10$	20	7	21	50	0.796
AISM-1210-3R9K	3.9	$\pm 10$	30	55	1.3	250	7.96	AISM-1210-271K	270	$\pm 10$	20	6	28	45	0.796
AISM-1210-4R7K	4.7	$\pm 10$	30	50	1.5	220	7.96	AISM-1210-331K	330	$\pm 10$	20	5	34	40	0.796
AISM-1210-5R6K	5.6	$\pm 10$	30	47	1.6	200	7.96	AISM-1210-391K	390	$\pm 10$	20	5	42	35	0.796
AISM-1210-6R8K	6.8	$\pm 10$	30	43	1.8	180	7.96	AISM-1210-471K	470	$\pm 10$	20	4	40	25	0.796

### TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)  
Inductance:HP4285A  
RDC:QuadTech 1880 Milliohmeter  
Q: HP4342A  
SRF:HP4291A
- IDC Max:Determined when superimposed DC current is decreased 10% against its initial value
- Operating temperature:  $-25^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- Storage Temperature:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- Solder methods: Wave,Vapor Phase,Infrared
- Resistance to soldering heat: $260^{\circ}\text{C}$  for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

### PHYSICAL CHARACTERISTICS:



Dimensions: mm

Note:All specifications subject to change without notice.