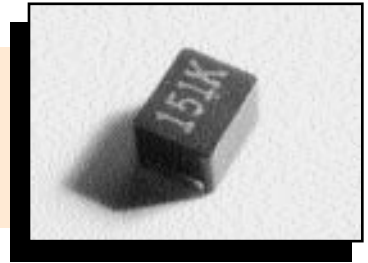


# SURFACE-MOUNT WIRE WOUND CHIP INDUCTORS

## AISC SERIES

### 1008F



#### FEATURES:

- Construction: Ferrite
- High Frequency Design
- Excellent Q values
- Excellent SRF
- High Reliability
- Excellent thermal stability

#### OPTIONS:

- Tape & Reel is standard (Qty: 3000 pcs.)  
Bulk packaging available for smaller quantities
- Tolerance: K=10%, M=20% is standard  
tighter tolerances available.

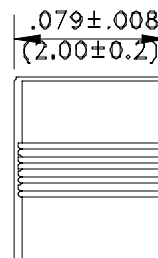
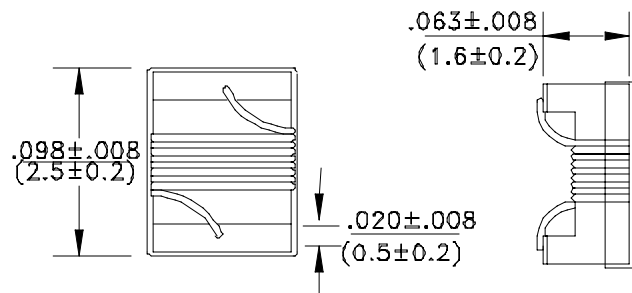
#### COMMON APPLICATION:

- Modems
- Mobil Radios
- Cordless Telephones
- Global Positioning Systems
- Wireless communications Equipment
- Networking System, xDSL filter

### STANDARD SPECIFICATIONS

Part Number	L (μH) J=±5% K=±10%	L Test Freq (MHz)	Q Min	Q Test Freq (MHz)	SRF Min (MHz)	RDC Max (W)	IDC Max (mA)
1008F Series							
AISC-1008F-1R2	1.20	7.9	48	50	210	0.68	650
AISC-1008F-1R5	1.50	7.9	41	50	190	0.76	630
AISC-1008F-1R8	1.80	7.9	39	50	170	0.84	600
AISC-1008F-2R2	2.20	7.9	34	50	150	1.10	520
AISC-1008F-2R7	2.70	7.9	34	50	135	1.28	490
AISC-1008F-3R3	3.30	7.9	32	50	120	1.46	450
AISC-1008F-3R9	3.90	7.9	32	7.9	105	1.56	420
AISC-1008F-4R7	4.70	7.9	31	7.9	90	1.68	400
AISC-1008F-5R6	5.60	7.9	31	7.9	80	1.82	380
AISC-1008F-6R8	6.80	7.9	31	7.9	70	2.00	360
AISC-1008F-8R2	8.20	7.9	23	7.9	65	2.65	330
AISC-1008F-100	10.0	7.9	31	7.9	60	2.95	300

### PHYSICAL CHARACTERISTICS



Dimensions: Inches (mm)

#### TECHNICAL INFORMATION:

- Testing: HP4291A, HP16193A, HP4286A or equivalent.
- Solderability: 75% of the terminal electrode shall be covered.
- Soldering methods: Reflow
- Operating Temperature: -40°C to +125°C

Note: All specifications subject to change without notice.

ABRACON IS  
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CERTIFIED

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CORPORATION