SURFACE MOUNT UNSHIELDED POWER INDUCTORS

AISC - 1812H



FEATURES:

- Construction: Ceramic or Ferrite
- Excellent SRF
- High Frequency Design
- Excellent Q values

OPTIONS:

- Tape & Reel is standard
- Add L for no Cap, F for Ferrite Base
- Add G for Gold Plated Terminal
- Add S for Solder Plated Terminal

APPLICATIONS:

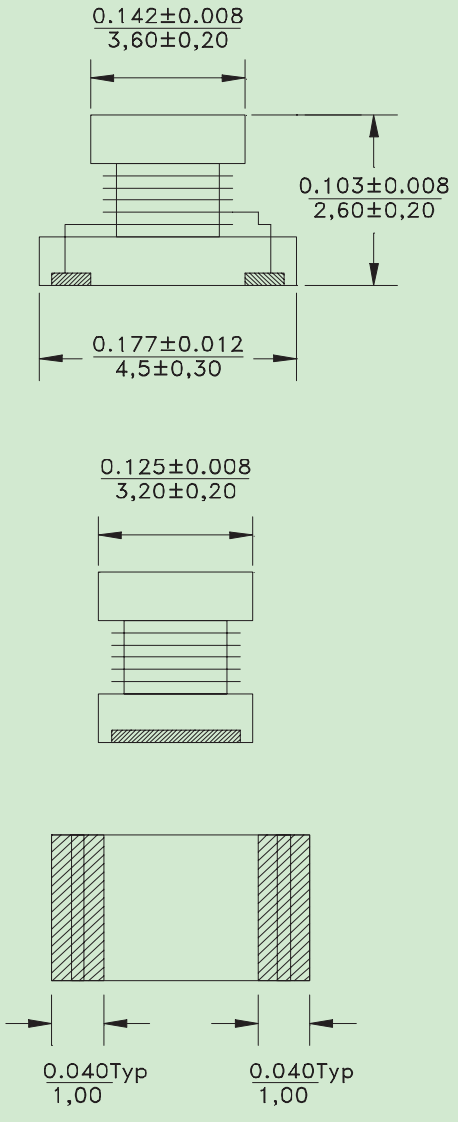
- Wireless Communications Equipment
- Networking System
- Computer Products and Peripherals

ELECTRICAL SPECIFICATIONS:

Part Number AISC-1812H-	L (µH)	L Test Freq (MHz)	Q (Min)	Q Test (Freq) (MHz)	SRF (Min) (MHz)	R_{DC} (Max) (Ω)	I_{DC} (Max) (mA)
1R0M	1.0	1	20	1	120	0.20	550
1R2M	1.2	1	20	1	100	0.25	530
1R5M	1.5	1	20	1	85	0.28	500
1R8M	1.8	1	20	1	75	0.30	500
2R2M	2.2	1	20	1	62	0.30	500
2R7M	2.7	1	20	1	53	0.32	500
3R3M	3.3	1	20	1	47	0.35	500
3R9M	3.9	1	20	1	42	0.38	500
4R7K	4.7	1	30	1	38	0.40	500
5R6K	5.6	1	30	1	35	0.47	500
6R8K	6.8	1	30	1	32	0.50	500
8R2K	8.2	1	30	1	28	0.56	500
100K	10	1	35	1	24	0.56	450
120K	12	1	35	1	22	0.62	450
150K	15	1	35	1	19	0.73	390
180K	18	1	35	1	17	0.82	370
220K	22	1	35	1	15	0.94	350
270K	27	1	35	1	14	1.1	330
330K	33	1	35	1	12	1.2	310
390K	39	1	35	1	11	1.4	280
470K	47	1	35	1	10	1.5	250
560K	56	1	35	1	9.5	1.7	225
680K	68	1	35	1	8.5	1.9	200
820K	82	1	35	1	7.5	2.2	185

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101K	100	1	35	0.796	6.8	2.5	175
121K	120	1	40	0.796	6.2	3.0	165
151K	150	1	40	0.796	5.5	3.7	155
181K	180	1	40	0.796	5.0	4.5	135
221K	220	1	40	0.796	4.5	5.4	125
271K	270	1	40	0.796	4.0	6.8	115
331K	330	1	40	0.796	3.7	8.2	100
391K	390	1	40	0.796	3.3	9.7	90
471K	470	0.01	40	0.796	3.0	12	80
561K	560	0.01	40	0.796	2.7	15	70
681K	680	0.01	40	0.796	2.5	17	65
821K	820	0.01	40	0.796	2.2	21	60
102K	1000	0.01	40	0.252	2.0	25	50
122K	1200	0.01	40	0.252	1.8	30	45
152K	1500	0.01	40	0.252	1.6	37	40
182K	1800	0.01	40	0.252	1.5	45	35
222K	2200	0.01	40	0.252	1.3	50	30

OUTLINE DRAWING:



Dimension: inch/mm

TECHNICAL INFORMATION:

TOLERANCES:
UNLESS OTHERWISE SPECIFIED:
inch: .XX: ± 0.015 .XXX: ± 0.010
mm: X,X: ±0,38 X,XX: ± 0.25

30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com