

SMD MOLDED HIGH CURRENT CHIP INDUCTORS

AIMS-1210H



FEATURES:

- High Current Capacity
- Heat Resistance Molded Resin
- High Reliability

OPTIONS:

- Tape & Reel is standard
- Bulk packaging available

APPLICATIONS:

- Car Radios, Video Cameras, DC Power Lines
- Wireless Communications Equipment
- PC Peripherals, Electronic Modules

ELECTRICAL SPECIFICATIONS:

Part Number	L (μH) K=±10% M=±20%	Q Min	L.Q Test Freq. (MHz)	SRF Min (MHz)	R _{DC} Max (Ω)	I _{DC} Max (mA)
1210H Series						
AIMS-1210H-1R0M	1.0	10	7.96	100	0.15	850
AIMS-1210H-1R5M	1.5	10	7.96	80	0.18	700
AIMS-1210H-2R2M	2.2	10	7.96	68	0.23	600
AIMS-1210H-3R3M	3.3	10	7.96	54	0.28	500
AIMS-1210H-4R7M	4.7	15	7.96	46	0.34	430
AIMS-1210H-6R8M	6.8	15	7.96	38	0.42	360
AIMS-1210H-8R2M**	8.2	15	7.96	32	0.48	320
AIMS-1210H-100K	10	15	2.52	30	0.50	300
AIMS-1210H-150K	15	15	2.52	26	0.74	250
AIMS-1210H-220K	22	15	2.52	21	1.15	210
AIMS-1210H-330K	33	15	2.52	17	1.65	170
AIMS-1210H-470K	47	15	2.52	14	2.25	150
AIMS-1210H-680K	68	15	2.52	12	3.70	120
AIMS-1210H-101K	100	15	0.796	10	5.00	100
AIMS-1210H-151K	150	20	0.796	8	8.00	85
AIMS-1210H-221K	220	20	0.796	7	11.0	70
AIMS-1210H-331K	330	20	0.796	6	16.0	60

• AIMS-1210H-XXX typical values only.

(*) All part numbers are:

AIMS-1210H-XXXX

(ex: AIMS-1210H-4R7K)

Tolerance -M for ±20%

(ex: AIMS-1210H-R82M)

Tolerance -K for ±10%

(ex: AIMS-1210H-1R2K)

Tolerance -J for ±5%

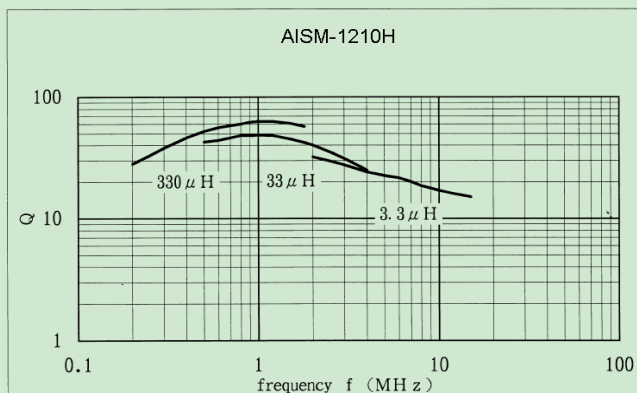
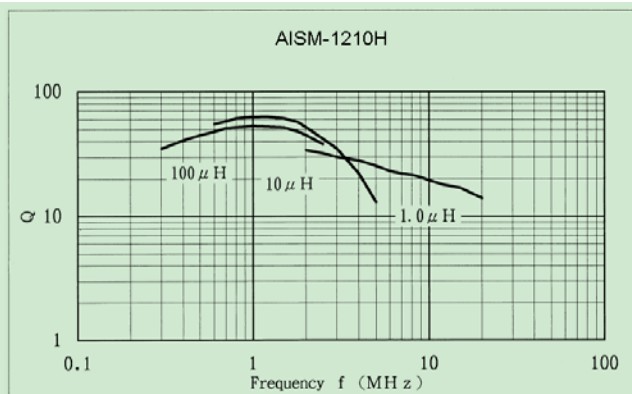
(ex: AIMS-1210H-1R2J)

** Underdeveloping

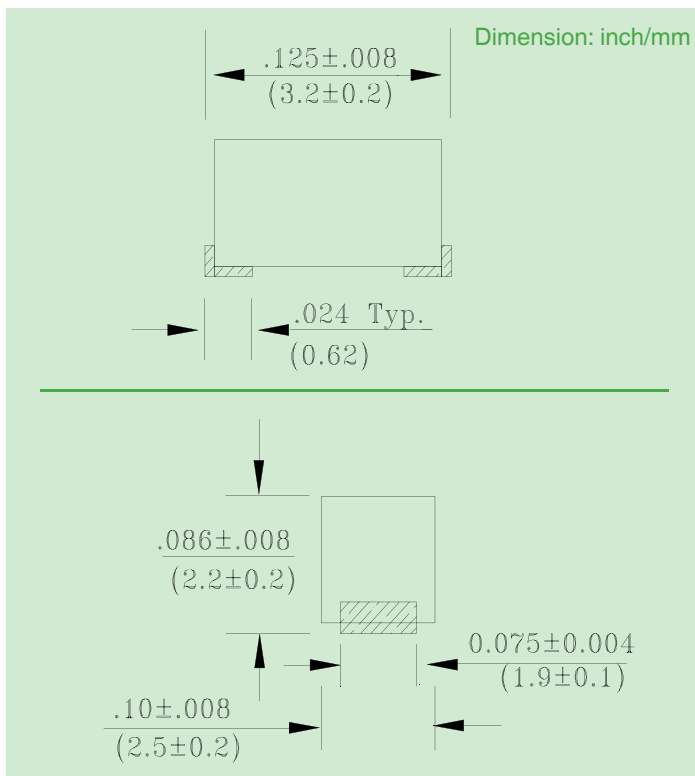
Operating temperature: **-40°C to +100°C**

Storage temperature: **-55°C to +125°C**

Q vs. Frequency Characters

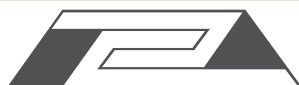


OUTLINE DRAWING:



REVISED: 6.20.07

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED



ABRACON
CORPORATION

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