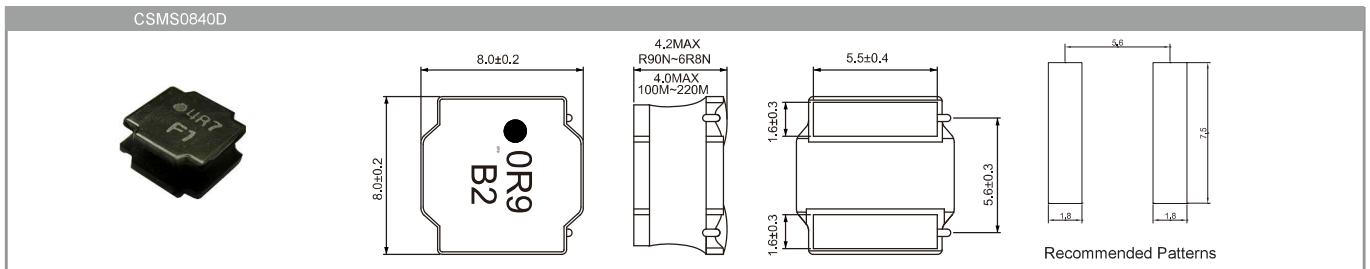


### Mechanical Dimensions (Unit: mm)



### Electrical Specification

Part Number	Marking	Inductance @100KHz (uH)	Inductance Tolerance	DCR ±20% (Ω)	Rated Current (mA)		SRF (MHz) Min.
					Saturation Current Idc1	Temperature Rise Current Idc2	
CSMS0840D-R90N-LRH	0R9	0.9	±30%	0.006	13000	7800	85
CSMS0840D-1R4N-LRH	1R4	1.4	±30%	0.007	10000	7000	63
CSMS0840D-2R0N-LRH	2R0	2.0	±30%	0.009	8100	6300	50
CSMS0840D-3R6N-LRH	3R6	3.6	±30%	0.015	6400	4900	34
CSMS0840D-4R7N-LRH	4R7	4.7	±30%	0.018	5400	4100	30
CSMS0840D-6R8N-LRH	68	6.8	±30%	0.025	4400	3700	24
CSMS0840D-100M-LRH	100	10	±20%	0.034	3800	3100	22
CSMS0840D-150M-LRH	150	15	±20%	0.050	2900	2400	16
CSMS0840D-220M-LRH	220	22	±20%	0.066	2400	2200	13

- a. Operating Temp. Range : -25 °C to +125 °C. (Including self-heating)
- b. Storage Temp. Range : -40 °C to +85 °C.
- c. Inductance measured using the HP4285A and Chroma1320 & 3302.
- d. DCR measured using Chroma16502 .
- e. SRF measured using the HP4291B .

- f. Saturation Current Idc1: The value of current causes a 30% inductance reduction from initial value.( at Ta : 20°C)
- g. Temperature rise current Idc2: The value of current causes a 40°C temperature rise. ( at Ta : 20°C)
- h. Rated Current: Either Idc1 or Idc2 whichever is smaller.
- i. MSL : Level 1

### Characteristic Curve

#### CSMS0840D

