FRI Series

Ferrite SMD Inductor

Size 1008

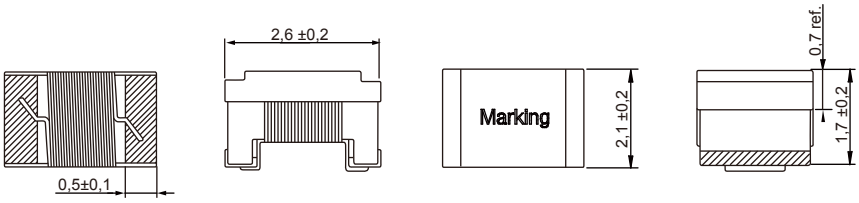
CHARACTERISTICS

- High inductance with ferrite core
- High Q with wire wounded design
- Quantity: 2000pcs

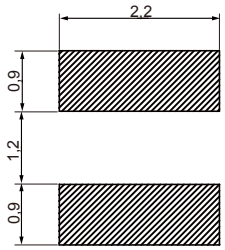
APPLICATION

- HF application
- BIAS circuit

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance (µH)	Test Condition L (MHz)	Tolerance	Q	Test Condition Q (MHz)	Temperature Rise Current Max. (mA)	DCR Max. (Ω)	SRF Min. (MHz)
RFI1008-1R2J	1.2	7.96	±5%	20	7.96	230	1.3	280
RFI1008-1R5J	1.5	7.96	±5%	20	7.96	220	1.65	250
RFI1008-1R8J	1.8	7.96	±5%	20	7.96	210	2.2	200
RFI1008-2R2J	2.2	7.96	±5%	20	7.96	200	2.35	160
RFI1008-2R7J	2.7	7.96	±5%	20	7.96	195	2.6	130
RFI1008-3R3J	3.3	7.96	±5%	20	7.96	185	2.85	80
RFI1008-3R9J	3.9	7.96	±5%	20	7.96	180	4.0	50
RFI1008-4R7J	4.7	7.96	±5%	20	7.96	175	4.3	45
RFI1008-5R6J	5.6	7.96	±5%	20	7.96	170	2.6	42
RFI1008-6R8J	6.8	7.96	±5%	20	7.96	165	2.8	39
RFI1008-8R2J	8.2	7.96	±5%	20	7.96	160	3.05	36
RFI1008-100J	10	2.52	±5%	15	2.52	150	3.5	33
RFI1008-120J	12	2.52	±5%	15	2.52	140	3.6	30
RFI1008-150J	15	2.52	±5%	15	2.52	130	4.0	26
RFI1005-180J	18	2.52	±5%	15	2.52	120	4.5	24
RFI1008-220J	22	2.52	±5%	15	2.52	110	5.0	22

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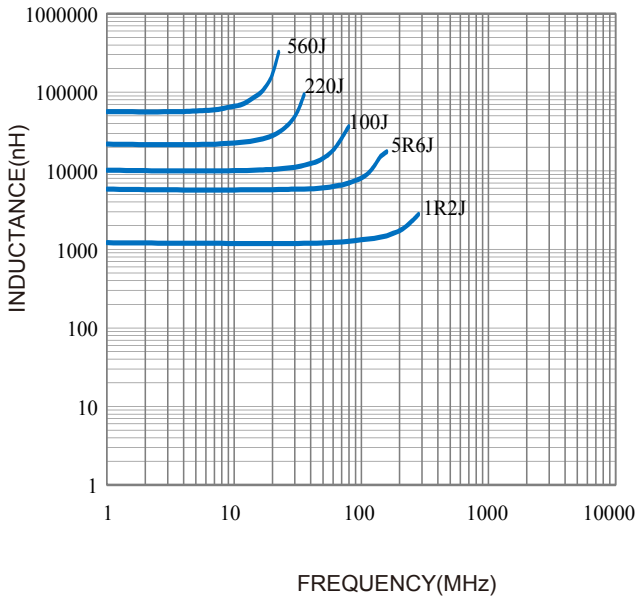
Part No	Inductance (μH)	Test Condition L (MHz)	Tolerance	Q	Test Condition Q (MHz)	Temperature Rise Current Max. (mA)	DCR Max. (Ω)	SRF Min. (MHz)
RFI1008-270J	27	2.52	±5%	15	2.52	95	6.0	21
RFI1008-330J	33	2.52	±5%	15	2.52	85	6.5	20
RFI1008-390J	39	2.52	±5%	15	2.52	60	8.5	18
RFI1008-470J	47	2.52	±5%	15	2.52	45	14	17

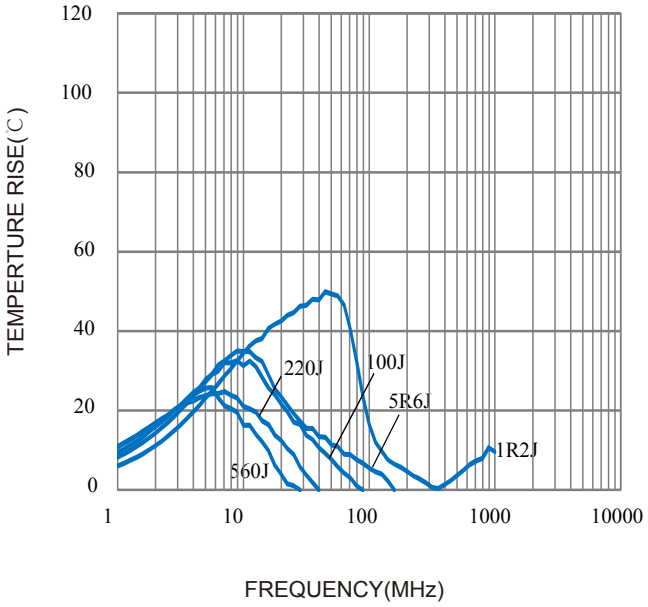
Operating temperature: -40 to +85°C
Temperature rise current : The actual value of DC current when the temperature rise is ΔT15℃

Typical Electrical Characteristics:

Inductance VS. Frequency Characteristics:



Temperture Rise VS. Frequency Characteristics:



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