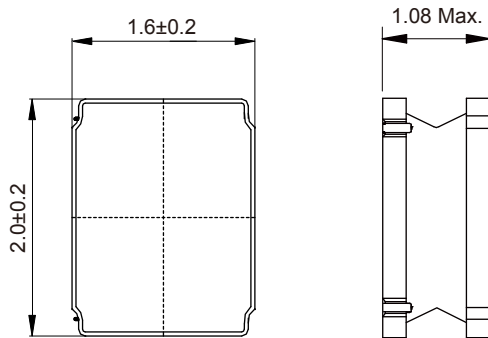


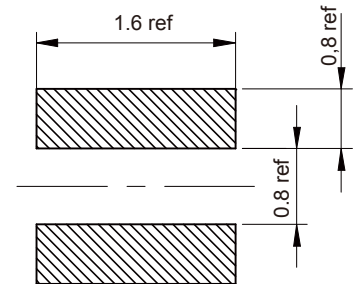
MAI Series

Wire Wound SMD Power Inductor Size 201610

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part Number	Inductance	DC Resistance		Saturation Current		Heat Rating Current	
	1MHz/1V	Max.	Typ.	Max.	Typ.	Max.	Typ.
Units	uH	Ω	Ω	A	A	A	A
Symbol	L	DCR		Isat		Irms	
MAI 201610S-R24M	0.24 ± 20%	0.040	0.033	4.50	5.50	3.00	3.45
MAI 201610S-R33M	0.33 ± 20%	0.049	0.041	4.40	5.20	2.70	3.10
MAI 201610S-R47M	0.47 ± 20%	0.049	0.041	4.06	4.70	2.70	3.10
MAI201610S-R56M	0.56 ± 20%	0.053	0.043	3.80	4.50	2.60	2.80
MAI 201610S-R68M	0.68 ± 20%	0.065	0.057	3.50	4.00	2.50	2.80
MAI 201610S-1R0M	1.0 ± 20%	0.095	0.078	3.30	3.80	2.00	2.30
MAI 201610S-1R5M	1.5 ± 20%	0.130	0.110	1.95	2.30	1.70	2.00
MAI 201610S-2R2M	2.2 ± 20%	0.180	0.160	1.90	2.15	1.40	1.60
MAI201610S-3R3M	3.3 ± 20%	0.307	0.245	1.40	1.60	1.10	1.30
MAI 201610S-4R7M	4.7 ± 20%	0.425	0.370	1.10	1.40	0.90	1.00
MAI201610S-6R8M	6.8 ± 20%	0.620	0.500	0.95	1.10	0.70	0.82
MAI201610S-8R2M	8.2 ± 20%	0.870	0.670	0.86	1.00	0.66	0.76
MAI201610S-100M	10 ± 20%	0.875	0.700	0.80	0.95	0.60	0.70

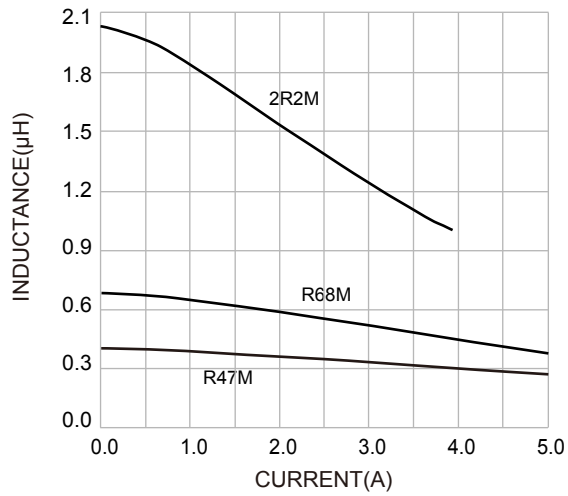
Operating temperature : -40 °C ~ +125 °C

Temperature rise current: For max value, ΔT < 40 °C ; For Typ value, ΔT is approximate 40 °C .

Saturation Current that will cause initial inductance to drop approximately 30%

Typical Electrical Characteristics:

Inductance VS. Current Characteristics:



Temperature Rise VS. Current Characteristics:

