

Power Inductor Small Size Molding Type

HPIM Series

201610/252010 Size



Ordering Information

HPIM 201610 H 1R0 M - LF

(1) (2) (3) (4) (5) (6)

(1) Series Name

(2) Product Dimension (L*W*H mm)

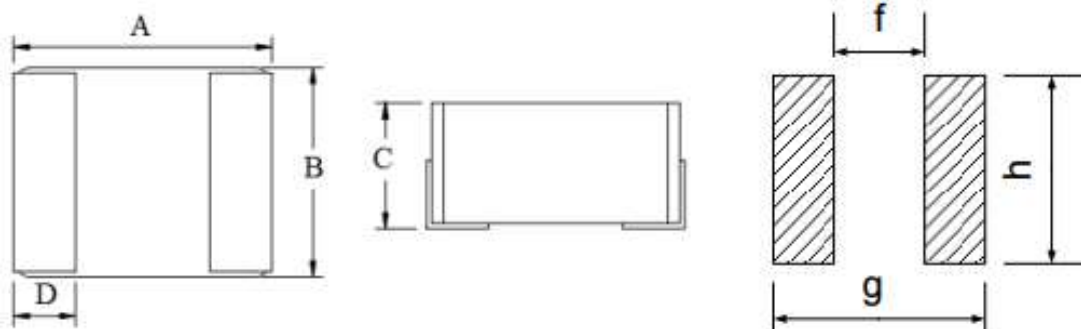
(3) Special process code

(4) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(5) Inductance Tolerance (K: $\pm 10\%$ / M: $\pm 20\%$ / N: $\pm 30\%$)

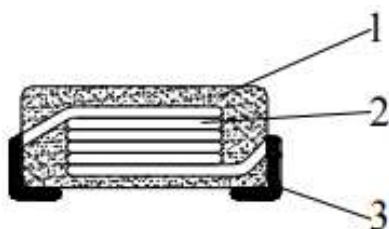
(6) Lead Free Product

Shape & Dimensions



Dimensions (mm)						
A	B	C	D	f	g	h
2.00 $\pm$ 0.20	1.60 $\pm$ 0.20	1.00 (Max.)	0.50 $\pm$ 0.2	0.70 (Typ.)	2.00 (Typ.)	1.60 (Typ.)
2.50 $\pm$ 0.20	2.00 $\pm$ 0.20	1.00 (Max.)	0.60 $\pm$ 0.2	1.20 (Typ.)	2.80 (Typ.)	2.00 (Typ.)

Material List



No.	Item	Material
1	Core	Alloy Material
2	Wire	Enameled Copper Wire
3	Terminal Electrode	Tin Covered Copper

**Power Inductor Small Size Molding Type****HPIM Series 201610/252010 Size****Electrical Characteristics****HPIM201610H Size**

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(μ H)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIM201610HR22M-LF	0.24 $\pm$ 20%	0.026	0.022	5.40	6.00	3.80	4.15
HPIM201610HR33M-LF	0.33 $\pm$ 20%	0.034	0.029	4.70	5.20	3.50	3.85
HPIM201610HR47M-LF	0.47 $\pm$ 20%	0.040	0.036	4.00	4.50	3.10	3.40
HPIM201610HR68M-LF	0.68 $\pm$ 20%	0.054	0.048	3.60	4.00	2.60	2.90
HPIM201610H1R0M-LF	1.0 $\pm$ 20%	0.070	0.064	3.10	3.40	2.20	2.60
HPIM201610H1R5M-LF	1.5 $\pm$ 20%	0.110	0.100	2.40	2.70	1.80	2.05
HPIM201610H2R2M-LF	2.2 $\pm$ 20%	0.168	0.154	1.80	2.15	1.40	1.60

HPIM201610E Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(μ H)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIM201610ER24M-LF	0.24 $\pm$ 20%	0.022	0.018	5.80	6.30	4.40	4.80
HPIM201610ER47M-LF	0.47 $\pm$ 20%	0.030	0.025	5.00	5.40	4.00	4.30
HPIM201610E1R0M-LF	1.0 $\pm$ 20%	0.054	0.045	4.00	4.40	3.50	3.70

HPIM252010H Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(μ H)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIM252010HR22M-LF	0.22 $\pm$ 20%	0.015	0.014	6.50	6.90	5.00	5.40
HPIM252010HR33M-LF	0.33 $\pm$ 20%	0.024	0.020	5.70	6.20	4.20	4.50
HPIM252010HR47M-LF	0.47 $\pm$ 20%	0.032	0.028	5.00	5.50	3.60	3.90
HPIM252010HR68M-LF	0.68 $\pm$ 20%	0.048	0.044	4.10	4.60	3.00	3.30
HPIM252010H1R0M-LF	1.0 $\pm$ 20%	0.054	0.048	3.80	4.20	2.70	3.00
HPIM252010H1R5M-LF	1.5 $\pm$ 20%	0.082	0.075	3.00	3.40	2.10	2.40
HPIM252010H2R2M-LF	2.2 $\pm$ 20%	0.115	0.107	2.40	2.70	1.70	2.00

HPIM252010E Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(μ H)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIM252010ER24M-LF	0.24 $\pm$ 20%	0.015	0.013	8.50	8.90	5.70	5.90
HPIM252010ER47M-LF	0.47 $\pm$ 20%	0.027	0.022	6.00	6.60	4.40	4.80
HPIM252010E1R0M-LF	1.0 $\pm$ 20%	0.048	0.041	4.10	4.50	3.10	3.40