

Power Inductor _ Small Size Molding Type

HPIM Series

201610/252010 Size

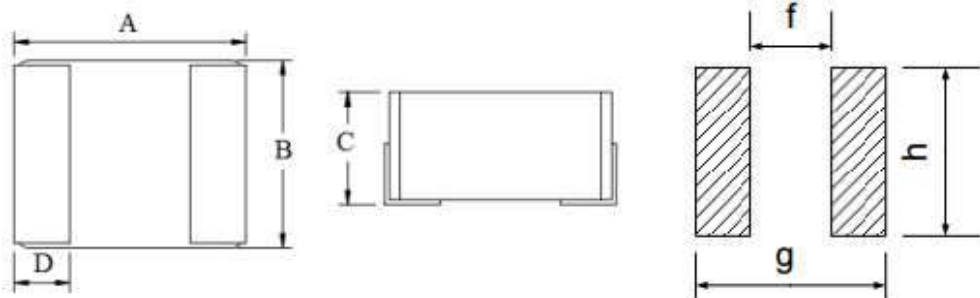


Ordering Information

HPIM **201610** **E** **1R0** **M** - **T** - **LF**
 (1) (2) (3) (4) (5) (6) (7)

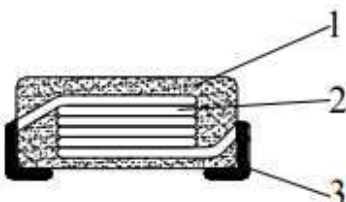
- (1) Series Name
- (2) Product Dimension (L*W*H mm)
- (3) Special process code
- (4) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)
- (5) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)
- (6) Packaging Style (T: Tape & Reel)
- (7) Lead Free Product

Shape & Dimensions



Dimensions (mm)						
A	B	C	D	f	g	h
2.00±0.20	1.60±0.20	1.00 (Max.)	0.50±0.2	0.70 (Typ.)	2.00 (Typ.)	1.60 (Typ.)
2.50±0.20	2.00±0.20	1.00 (Max.)	0.60±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 (μ H)	DCR (Ω)		Isat (A)		Irms (A)	
		Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIM201610HR22MT-LF	0.24 \pm 20%	0.026	0.022	5.40	6.00	3.80	4.15
HPIM201610HR33MT-LF	0.33 \pm 20%	0.034	0.029	4.70	5.20	3.50	3.85
HPIM201610HR47MT-LF	0.47 \pm 20%	0.040	0.036	4.00	4.50	3.10	3.40
HPIM201610HR68MT-LF	0.68 \pm 20%	0.054	0.048	3.60	4.00	2.60	2.90
HPIM201610H1R0MT-LF	1.0 \pm 20%	0.070	0.064	3.10	3.40	2.20	2.60
HPIM201610H1R5MT-LF	1.5 \pm 20%	0.110	0.100	2.40	2.70	1.80	2.05
HPIM201610H2R2MT-LF	2.2 \pm 20%	0.168	0.154	1.80	2.15	1.40	1.60

HPIM201610E Size

HONGDA Part No.	Inductance (μ H)	DCR (Ω)		Isat (A)		Irms (A)	
		Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIM201610ER24MT-LF	0.24 \pm 20%	0.022	0.018	5.80	6.30	4.40	4.80
HPIM201610ER47MT-LF	0.47 \pm 20%	0.030	0.025	5.00	5.40	4.00	4.30
HPIM201610E1R0MT-LF	1.0 \pm 20%	0.054	0.045	4.00	4.40	3.50	3.70

HPIM252010H Size

HONGDA Part No.	Inductance (μ H)	DCR (Ω)		Isat (A)		Irms (A)	
		Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIM252010HR22MT-LF	0.22 \pm 20%	0.015	0.014	6.50	6.90	5.00	5.40
HPIM252010HR33MT-LF	0.33 \pm 20%	0.024	0.020	5.70	6.20	4.20	4.50
HPIM252010HR47MT-LF	0.47 \pm 20%	0.032	0.028	5.00	5.50	3.60	3.90
HPIM252010HR68MT-LF	0.68 \pm 20%	0.048	0.044	4.10	4.60	3.00	3.30
HPIM252010H1R0MT-LF	1.0 \pm 20%	0.054	0.048	3.80	4.20	2.70	3.00
HPIM252010H1R5MT-LF	1.5 \pm 20%	0.082	0.075	3.00	3.40	2.10	2.40
HPIM252010H2R2MT-LF	2.2 \pm 20%	0.115	0.107	2.40	2.70	1.70	2.00

HPIM252010E Size

HONGDA Part No.	Inductance (μ H)	DCR (Ω)		Isat (A)		Irms (A)	
		Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIM252010ER24MT-LF	0.24 \pm 20%	0.015	0.013	8.50	8.90	5.70	5.90
HPIM252010ER47MT-LF	0.47 \pm 20%	0.027	0.022	6.00	6.60	4.40	4.80
HPIM252010E1R0MT-LF	1.0 \pm 20%	0.048	0.041	4.10	4.50	3.10	3.40