



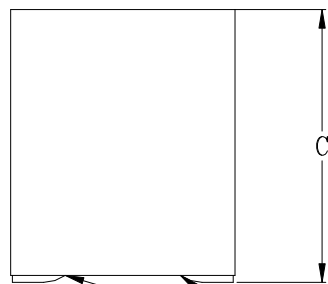
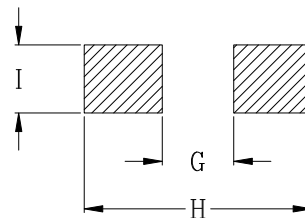
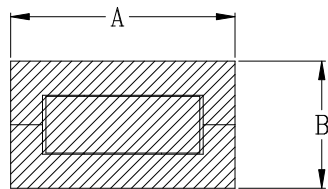
**THE DATASHEET OF
HCME1012-101**





DELTA P/N : HCME1012(F) series

Mechanical dimensions



DCR measure points

UNIT : mm

A = 10.0 MAX

B = 6.0 MAX

C = 12.0 MAX

D = 2.4

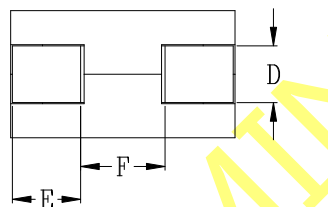
E = 2.95

F = 3.65

G = 3.9

H = 10.3

I = 3.3



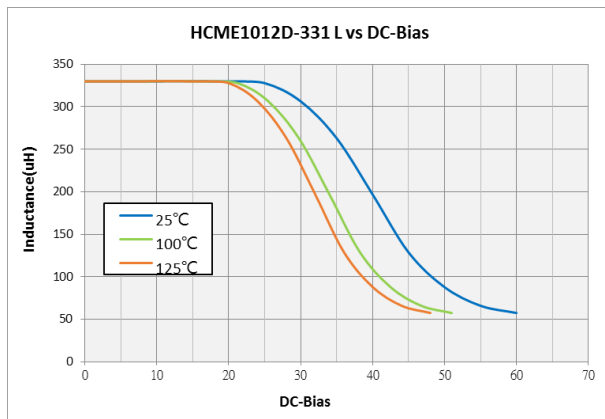
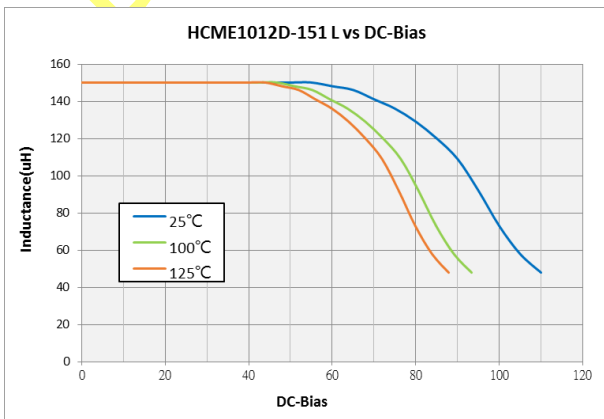
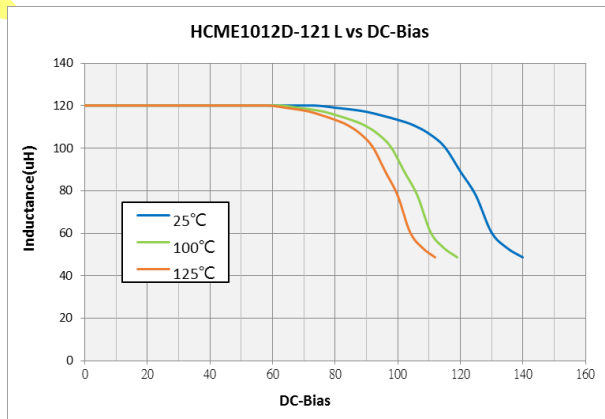
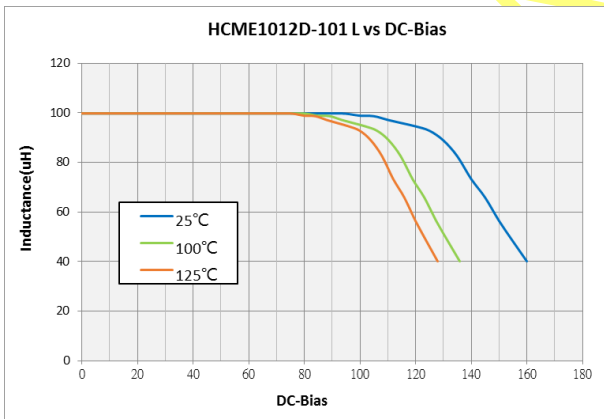
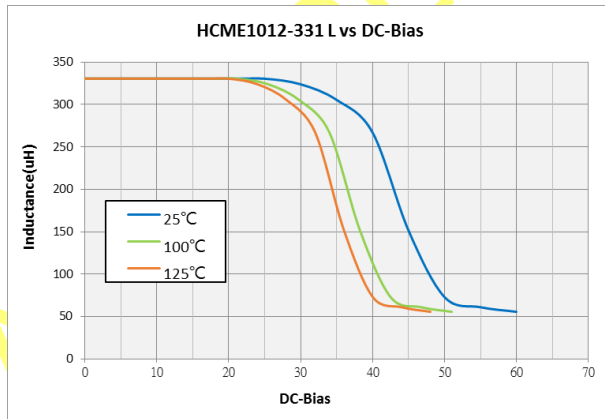
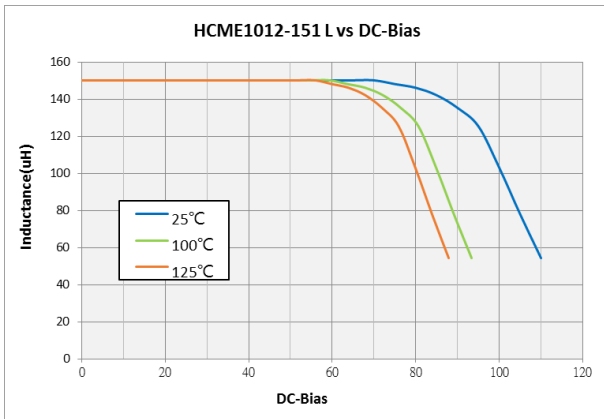
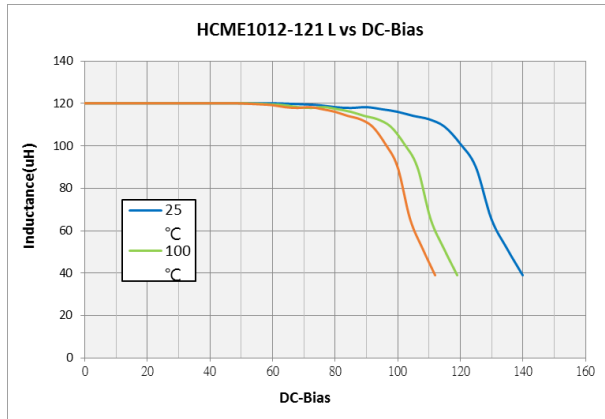
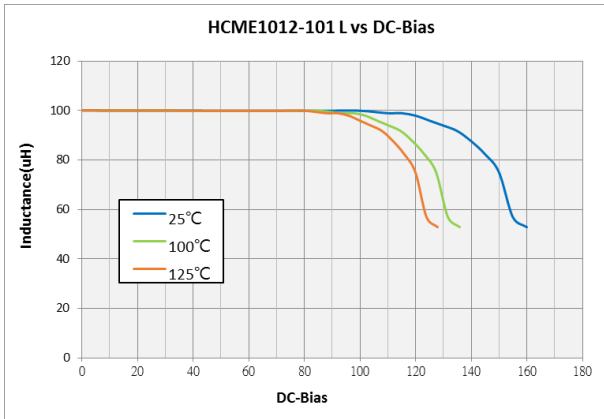
Electrical Characteristics @ 25°C, 100kHz, 1V

Delta P/N	L (nH)	Li (nH) MIN	DCR (mΩ) ± 10%	Isat ¹ (A)			Ir ² (A)
				25°C	100°C	125°C	
HCME1012-700	70	49	0.125	178	144	133	77
HCME1012-101	100	70		125	105	97	
HCME1012-121	120	84		105	88	81	
HCME1012-151	150	105		83	70	65	
HCME1012-331	330	231		35	28	26	
HCME1012F-700	70	49		169	144	133	
HCME1012F-101	100	70		123	105	98	
HCME1012F-121	120	84		103	88	82	
HCME1012F-151	150	105		82	70	66	
HCME1012F-331	330	231		33	28	26	

1. Tolerance of inductance : ± 10% for 120nH~330nH, ± 15% for 90nH~100nH,
2. Isat is the DC current which causes the inductance drop to Li.
3. Ir is the DC current with ΔT approximately 40 °C.
4. Operating temperature: -40°C to 125°C (Self-temperature rise included).



L vs DC Bias curves.







PRELIMINARY SPEC

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-  [Delta Electronics Information](#)

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