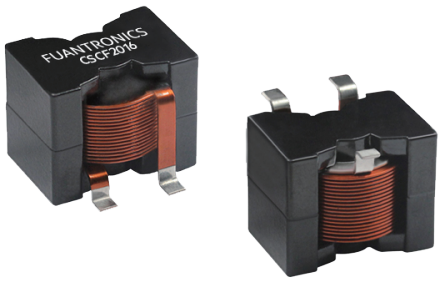
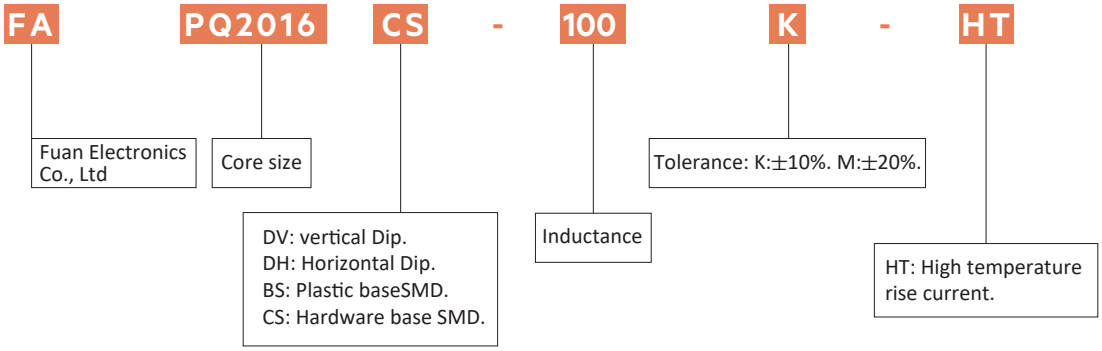
HIGH CURRENT POWER INDUCTOR

FAPQ2016 SERIES



ELECTRICAL SPECIFICATION

- Assemblage design,sturdy structure
- High current,low magnetic loss,low ESR,small parasitic cappcitance
- Flat wire winding,achievea low DCR.Temperature rise current and saturation current is less influenced by environment
- Operating Temperature Range:-40°C to +125°C. (Including coilis temperature rise)
- All Parts Meet Rohs Compliance.
- Weight: App. 18.5g



ELECTRICAL CHARACTERISTICS AT 25°C

Part Number	Ind.(uH)	D.C.Resistance (mΩ)		last (A)Typical	Irms (A)Typical: Δt40°C	
		Typ	Max	Drop20%	5 minutes	30 minutes
FAPQ2016□-4R7M	4.7	3.30	4.00	40	22.0	20.0
FAPQ2016□-6R8M	6.8	3.30	4.00	30	22.0	20.0
FAPQ2016□-8R2M	8.2	3.30	4.00	26	22.0	20.0
FAPQ2016□-100K	10	3.30	4.00	20	22.0	20.0
FAPQ2016□-150K	15	5.81	7.00	19	17.0	15.0
FAPQ2016□-220K	22	5.81	7.00	12	17.0	10.0
FAPQ2016□-330K	33	13.00	2.75	13	12.0	10.0
FAPQ2016□-470K	47	13.00	15.00	9	12.0	10.0

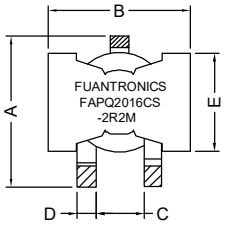
TEST CONDITIONS:

1.All data is tested based on 25℃ ambient temperature.
2.Inductance measure condition at 100KHz 0.1V.
3.Temperature rise current: the actual value of DC current when the temperature rise is T40℃(Ta=25℃).
4.Special remind: Circuit design,component planement,PWB size and thickness,cooling system and etc.all will affect the product temperature.Please verify the product temperure in the final application..

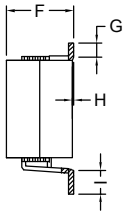
ELECTRICAL INFORMATION

Dimension in mm

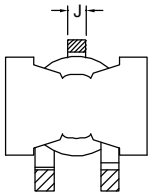
2016CS



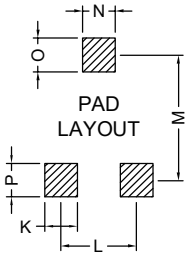
Top view



Side view

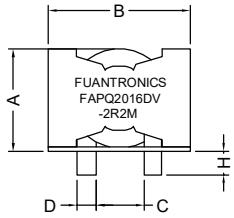


Bottom view

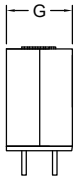


A	22.5 Max	I	2.50±0.50
B	21.8 Max	J	2.50±0.20
C	7.00±0.60	K	5.00 REF
D	2.50±0.20	L	9.50 REF
E	14.0±0.50	M	19.3 REF
F	16.5 Max	N	5.00 REF
G	2.00 REF	O	5.00 REF
H	0-0.15	P	5.00 REF

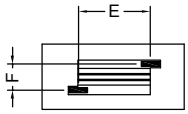
2016DV



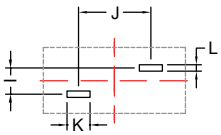
Top view



Side view



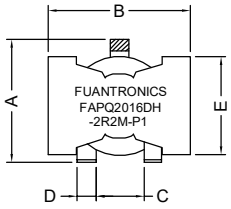
Bottom view



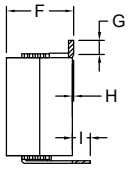
PAD Layout

A	16.0 Max	I	8.00 REF
B	21.8 Max	J	9.50 REF
C	7.00±0.60	K	5.00 REF
D	2.50±0.20	L	1.50 REF
E	9.50±0.50		
F	8.00±0.50		
G	16.5 Max		
H	3.50±0.50		

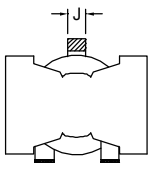
2016DH—P1



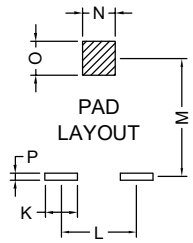
Top view



Side view

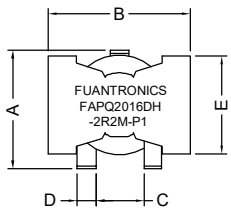


Bottom view

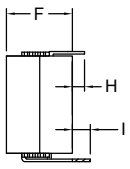


A	22.5 Max	I	3.50±0.50
B	21.8 Max	J	2.50±0.20
C	7.00±0.60	K	5.00 REF
D	2.50±0.20	L	9.50 REF
E	14.0±0.50	M	17.5 REF
F	16.5 Max	N	5.00 REF
G	2.00 REF	O	5.00 REF
H	0-0.15	P	1.50 REF

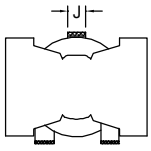
2016DH—P2



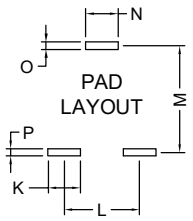
Top view



Side view



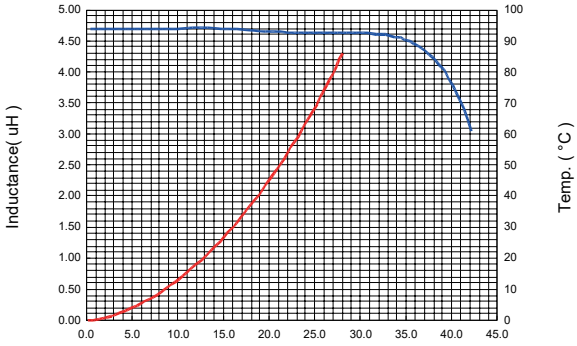
Bottom view



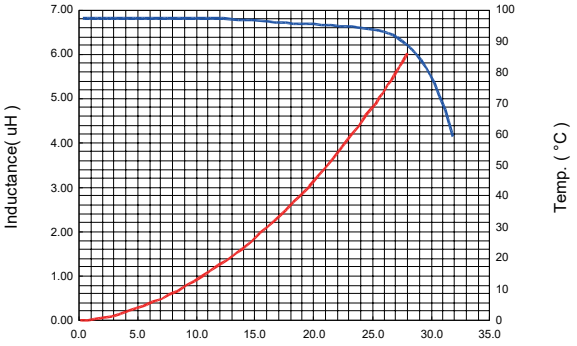
A	22.5 Max	I	3.50±0.50
B	21.8 Max	J	2.50±0.20
C	7.00±0.60	K	5.00 REF
D	2.50±0.20	L	9.50 REF
E	14.0±0.50	M	15.0 REF
F	16.5 Max	N	5.00 REF
G	2.00 REF	O	1.50 REF
H	2.50±0.50	P	1.50 REF

CURRENT VS TEMPERATURE RISE

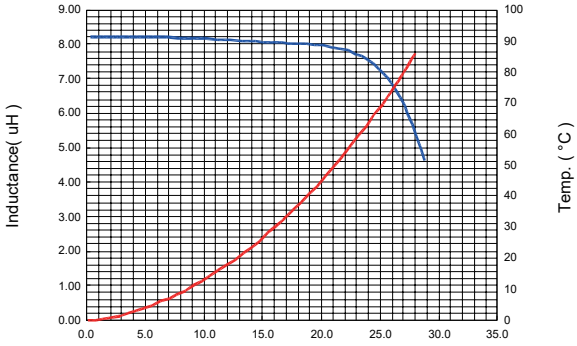
(Temperature rise current is 30 minutes)



FAPQ2016□−4R7M



FAPQ2016□−6R8M



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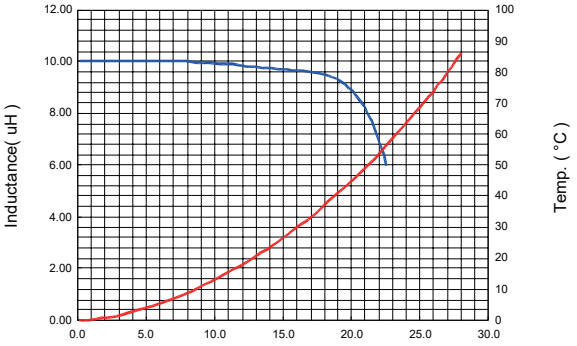
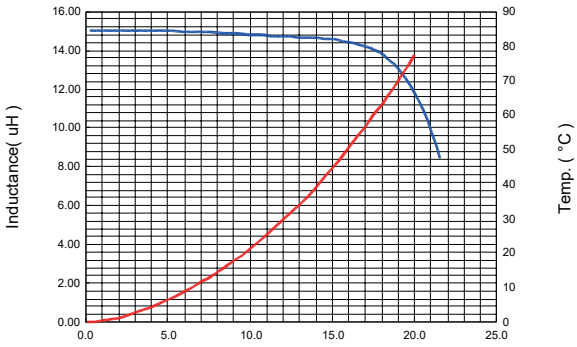
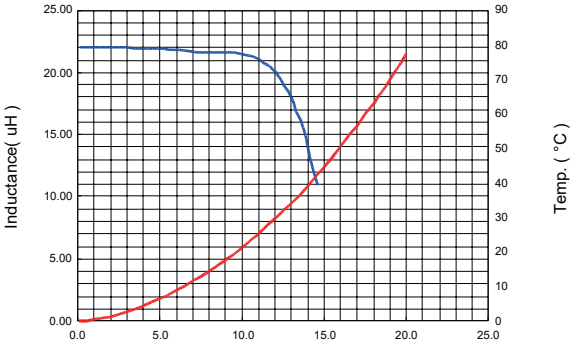


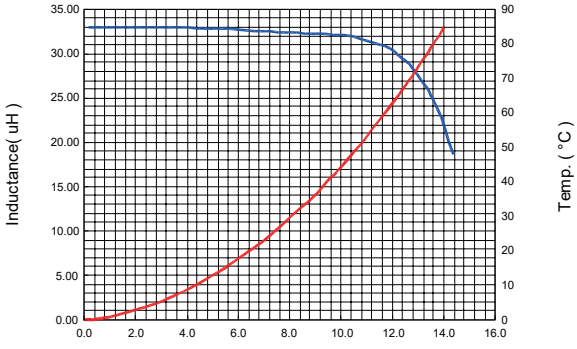
FAPQ2016□−100K



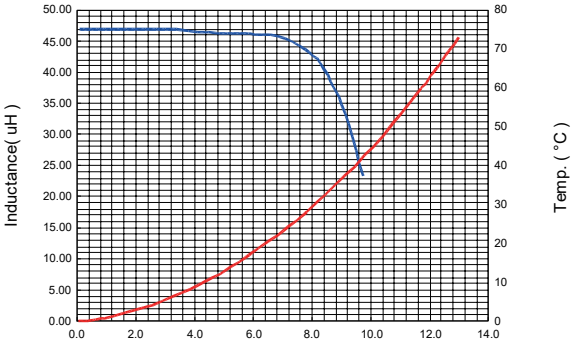
FAPQ2016□−150K



FAPQ2016□−220K



FAPQ2016□−330K



FAPQ2016□−470K