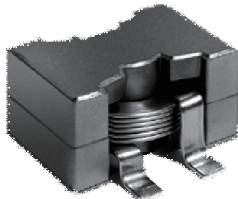


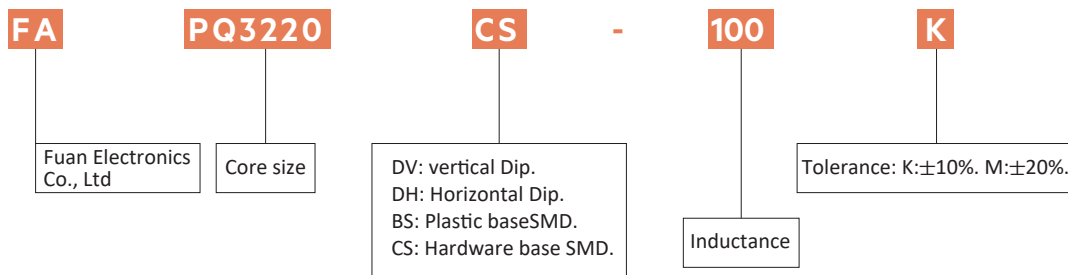
HIGH CURRENT POWER INDUCTOR

FAPQ3220 SERIES



ELECTRICAL SPECIFICATION

- Assemblage design, sturdy structure
- High current, low magnetic loss, low ESR, small parasitic capacitance
- Flat wire winding, achieve a 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. 70.0g



ELECTRICAL CHARACTERISTICS AT 25°C

Part Number	Ind.(uH)	D.C.Resistance (mΩ)		I _{last} (A) Typical		I _{rms} (A) Typical: Δt40°C	
		Typ	Max	Drop20%	5 minutes	30 minutes	
FAPQ3220□-3R3M	3.3	1.02	1.15	90	55.0	52.0	
FAPQ3220□-3R3M-HT	3.3	0.82	0.95	90	65.0	60.0	
FAPQ3220□-4R7M	4.7	1.02	1.15	68	55.0	52.0	
FAPQ3220□-4R7M-HT	4.7	0.82	0.95	68	65.0	60.0	
FAPQ3220□-6R8M	6.8	1.20	1.40	55	52.0	48.0	
FAPQ3220□-6R8M-HT	6.8	1.02	1.15	49	55.0	52.0	
FAPQ3220□-8R2M	8.2	1.47	1.60	44	46.0	42.0	
FAPQ3220□-8R2M-HT	8.2	1.20	1.40	44	52.0	48.0	
FAPQ3220□-100K	10	1.47	1.60	39	46.0	42.0	
FAPQ3220□-100K-HT	10	1.20	1.40	39	52.0	48.0	
FAPQ3220□-150K	15	3.13	3.50	36	34.0	30.0	

Product datasheet

ELECTRICAL CHARACTERISTICS AT 25°C

Dimension in mm

Part Number	Ind.(uH)	D.C.Resistance (mΩ)		I _{last} (A)Typical		I _{rms} (A)Typical: ^A t40°C	
		Typ	Max	Drop20%	5 minutes	30 minutes	
FAPQ3220□-180K	18	3.13	3.50	29	34.0	30.0	
FAPQ3220□-220K	22	3.13	3.50	26	34.0	30.0	
FAPQ3220□-270K	27	3.13	3.50	21	34.0	30.0	
FAPQ3220□-330K	33	3.13	3.50	16	34.0	30.0	
FAPQ3220□-390K	39	3.13	3.50	14	34.0	30.0	
FAPQ3220□-470K	47	3.13	3.50	12	34.0	30.0	
FAPQ3220□-560K	56	3.13	3.50	9	34.0	30.0	

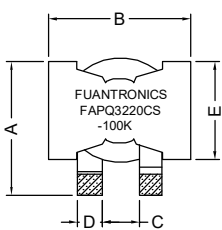
TEST CONDITIONS:

- 1.All data is tested based on 25°C 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°C(Ta=25°C).
- 4.Special remind: Circuit design,component placement,PWB size and thickness,cooling system and etc.all will affect the product temperature.Please verify the product temperature in the final application..

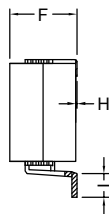
ELECTRICAL INFORMATION

Dimension in mm

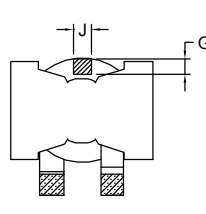
3220CS



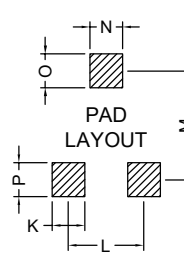
Top view



Side view

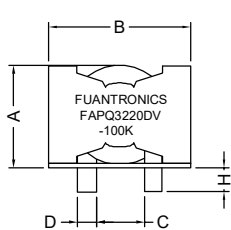


Bottom view



A	34.5 Max	I	3.80 Min
B	33.5 Max	J	4.50±0.30
C	6.00±0.50	K	8.00 REF
D	6.00±0.30	L	12.0 REF
E	22.5±1.0	M	27.75 REF
F	21.0 Max	N	6.00 REF
G	4.5±0.3	O	7.00 REF
H	0-0.15	P	6.00 REF

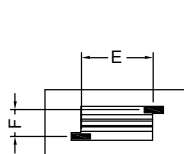
3220DV



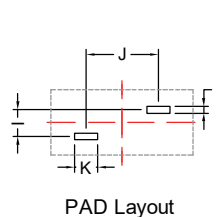
Top view



Side view



Bottom view



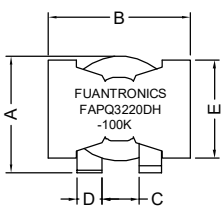
A	25.0 Max	I	10.0 REF
B	33.5 Max	J	12.0 REF
C	6.00±0.50	K	7.00 REF
D	6.00±0.30	L	1.80 REF
E	12.0±0.50		
F	10.0±0.50		
G	21.0 Max		
H	3.50±0.50		

Product datasheet

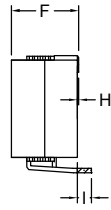
ELECTRICAL INFORMATION

Dimension in mm

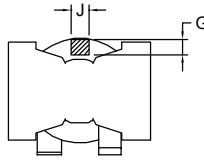
3220DH-P1



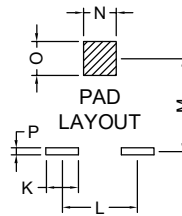
Top view



Side view

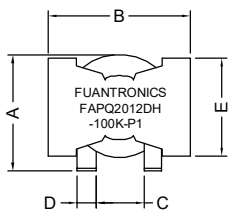


Bottom view

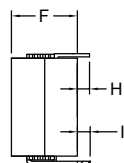


A	30.7±1.0	I	3.50±0.50
B	33.5 Max	J	4.50±0.30
C	6.00±0.50	K	7.00 REF
D	6.00±0.3	L	12.0 REF
E	22.5±1.0	M	27.0 REF
F	21.0 Max	N	6.00 REF
G	4.50 REF	O	7.00 REF
H	0-0.15	P	1.80 REF

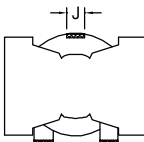
3220DH-P2



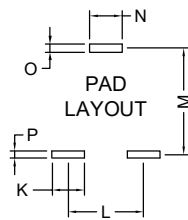
Top view



Side view



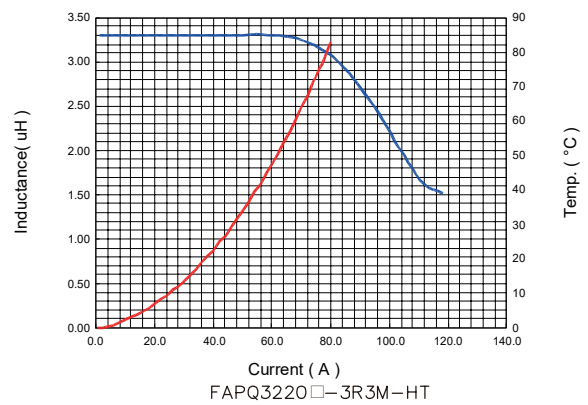
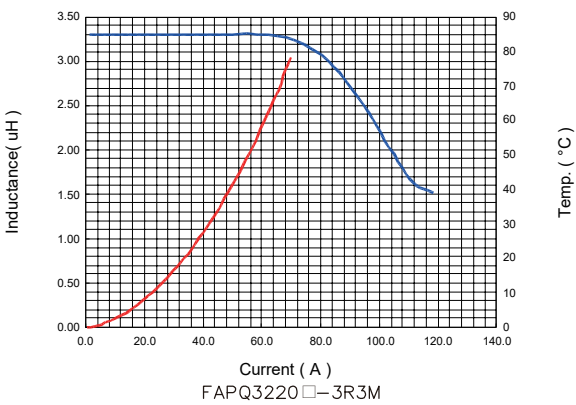
Bottom view



A	30.7 ±1.0	I	3.50±0.50
B	33.5 Max	J	4.50±0.30
C	6.00±0.50	K	7.00 REF
D	6.00±0.30	L	12.0 REF
E	22.5±1.0	M	30.0 REF
F	21.0 Max	N	6.00 REF
G	0.80±0.30	O	1.00 REF
H	3.50±0.50	P	1.80 REF

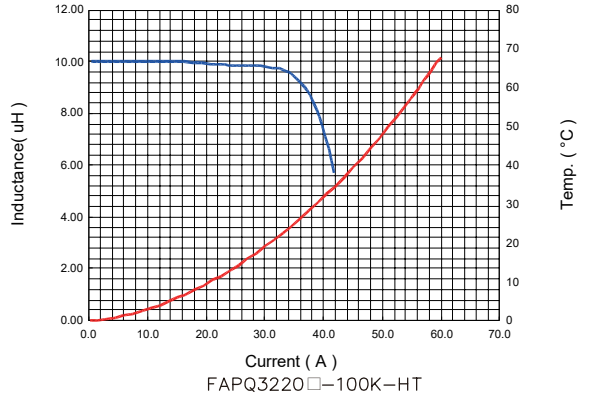
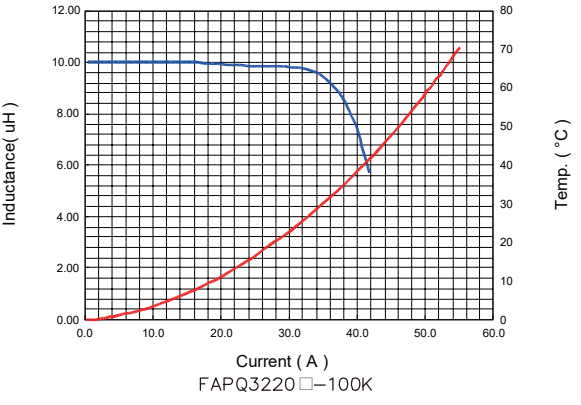
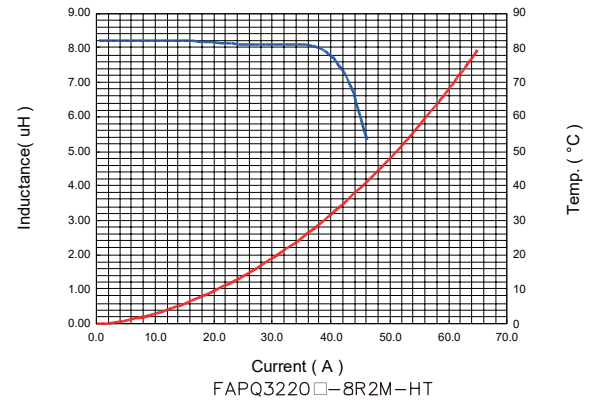
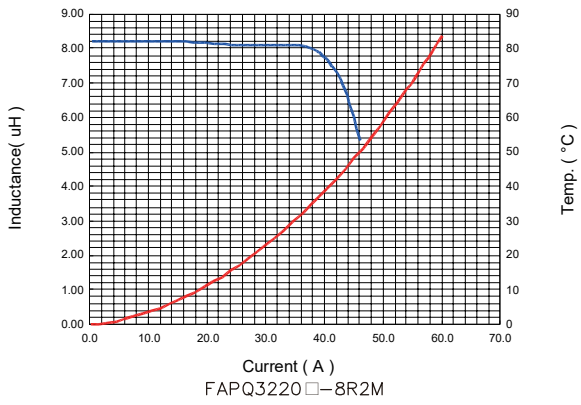
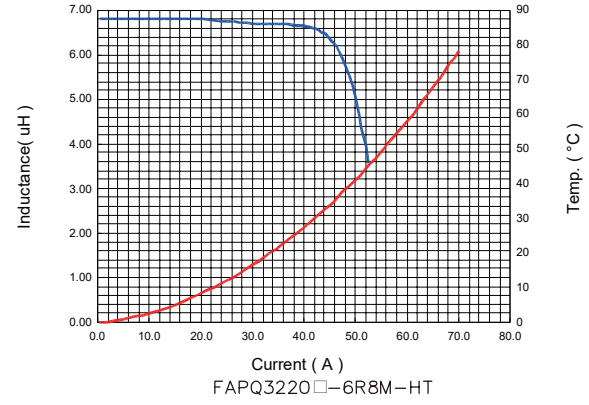
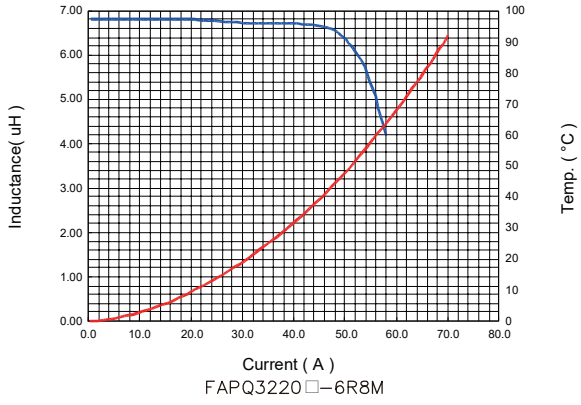
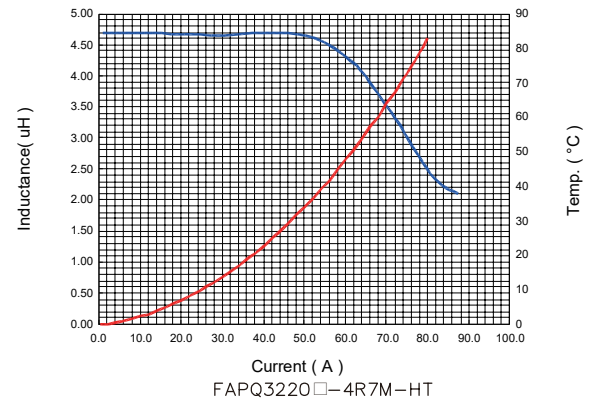
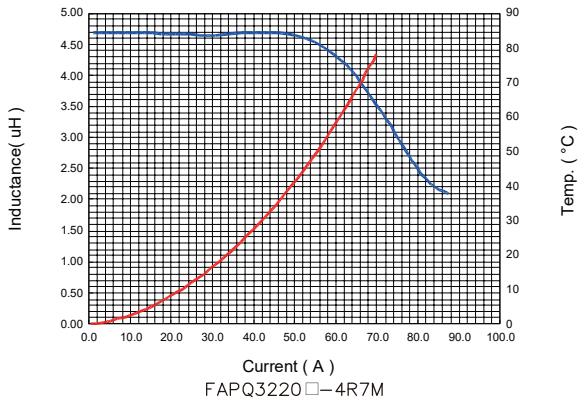
CURRENT VS TEMPERATURE RISE

(Temperature rise current is 30 minutes)



CURRENT VS TEMPERATURE RISE

(Temperature rise current is 30 minutes)



CURRENT VS TEMPERATURE RISE

(Temperature rise current is 30 minutes)

