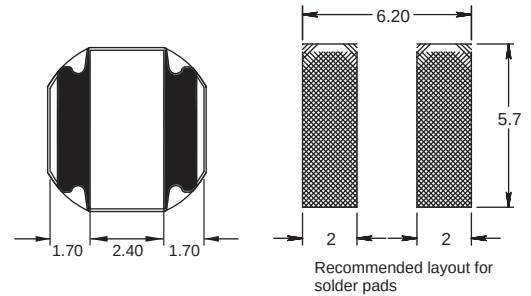
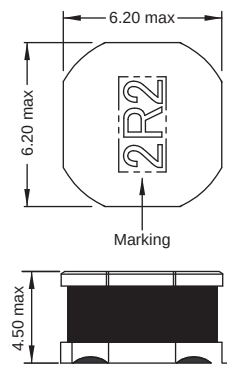
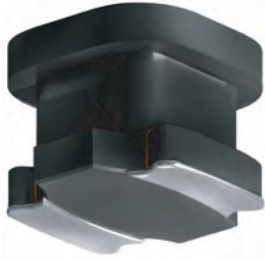


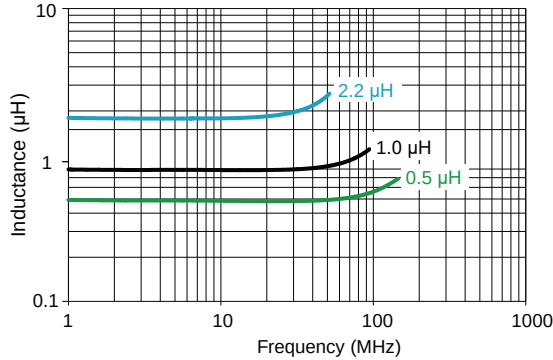
242418 FPS

Semi-shielded

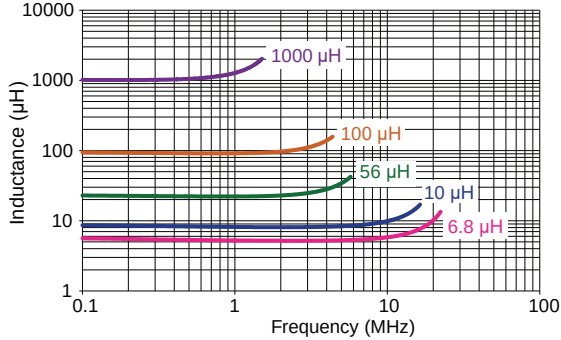
Engineer's Kit: EK-242418FPS-X



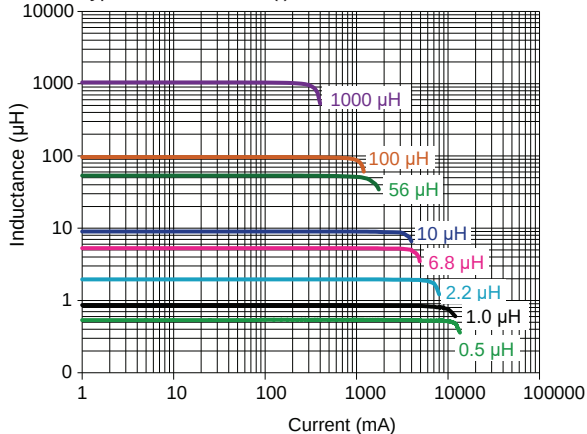
Typical L_s vs Frequency (f)



Typical L_s vs Frequency (f)



Typical L_s vs Current (I)



Part No	Inductance L (μH)	f_L (kHz)	Tol ± (%)	DCR max (mΩ)	Rated DC Current Isat (A) Irms (A)
242418FPS-R50N-01	0.5	100 @ 1V	30	12	10.5 7.1
242418FPS-1R0N-01	1.0	100 @ 1V	30	13	8.60 6.5
242418FPS-1R3N-01	1.3	100 @ 1V	30	14	8.00 6.0
242418FPS-1R8N-01	1.8	100 @ 1V	30	16	7.00 5.3
242418FPS-2R2N-01	2.2	100 @ 1V	30	17	6.10 5.0
242418FPS-3R0N-01	3.0	100 @ 1V	30	22	5.00 4.8
242418FPS-3R3N-01	3.3	100 @ 1V	30	22	4.50 4.5
242418FPS-4R5N-01	4.5	100 @ 1V	30	30	4.30 3.8
242418FPS-4R7N-01	4.7	100 @ 1V	30	30	4.00 3.7
242418FPS-5R6N-01	5.6	100 @ 1V	30	34	3.80 3.6
242418FPS-6R3N-01	6.3	100 @ 1V	30	39	3.80 3.6
242418FPS-6R8N-01	6.8	100 @ 1V	30	44	3.60 3.5
* 242418FPS-8R2N-01	8.2	100 @ 1V	30	53.3	3.20 3.1
* 242418FPS-100M-01	10	100 @ 1V	20	54	3.10 3.0
* 242418FPS-150M-01	15	100 @ 1V	20	96	2.30 2.3
* 242418FPS-220M-01	22	100 @ 1V	20	134	1.90 1.9
* 242418FPS-330M-01	33	100 @ 1V	20	204	1.50 1.5
* 242418FPS-470M-01	47	100 @ 1V	20	252	1.30 1.3
* 242418FPS-560M-01	56	100 @ 1V	20	324	1.20 1.2
* 242418FPS-680M-01	68	100 @ 1V	20	390	1.00 1.0
* 242418FPS-101M-01	100	100 @ 1V	20	552	0.90 0.9
* 242418FPS-151M-01	150	100 @ 1V	20	810	0.85 1.0
* 242418FPS-221M-01	220	100 @ 1V	20	1104	0.55 0.50
* 242418FPS-331M-01	330	100 @ 1V	20	1700	0.55 0.50
* 242418FPS-471M-01	470	100 @ 1V	20	2050	0.50 0.50
* 242418FPS-681M-01	680	100 @ 1V	20	3185	0.40 0.40
* 242418FPS-821M-01	820	100 @ 1V	20	3565	0.35 0.35
* 242418FPS-102M-01	1000	100 @ 1V	20	6218	0.25 0.25

Core Material: Ferrite

Revision date: 29 Nov 2023

SPQ: Taped / Reel 1000 [-01]

Remarks:

* : The total length and width of component including epoxy is 6.8mm max.