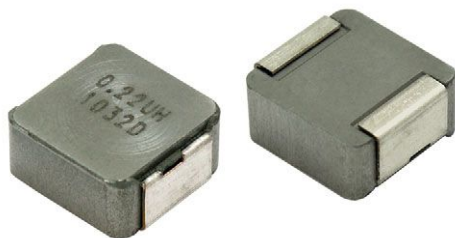


IHLP® Commercial Inductors, Low DCR Series



DESIGN SUPPORT TOOLS click logo to get started



STANDARD ELECTRICAL SPECIFICATIONS					
L_0 INDUCTANCE $\pm 20\%$ AT 100 kHz, 0.25 V, 0 A (μ H)	DCR TYP. 25 °C (m Ω)	DCR MAX. 25 °C (m Ω)	HEAT RATING CURRENT DC TYP. (A) ⁽¹⁾	SATURATION CURRENT DC TYP. (A) ⁽²⁾	SRF TYP. (MHz)
0.22	1.26	1.35	34.0	22.0	117
0.33	2.01	2.15	27.5	16.0	108
0.47	2.22	2.38	25.0	14.0	80
0.68	3.01	3.22	22.2	14.5	62
0.82	3.63	3.88	19.5	15.0	57
1.0	4.33	4.63	18.2	12.0	49
2.2	8.8	9.41	14.5	10.2	25
3.3	14.0	14.9	10.5	9.7	22
4.7	21.1	22.6	8.0	8.7	17
5.6	26.7	28.6	7.4	7.6	15
6.8	31.2	33.4	7.0	6.7	13
8.2	42.1	45.0	5.7	6.6	12.6
10.0	48.4	51.8	5.4	6.4	12
15.0	61.0	65.3	4.9	3.7	10.3
22.0	88.0	94.2	4.3	3.3	8.2
33.0	135	144	3.2	3.2	6.7

Notes

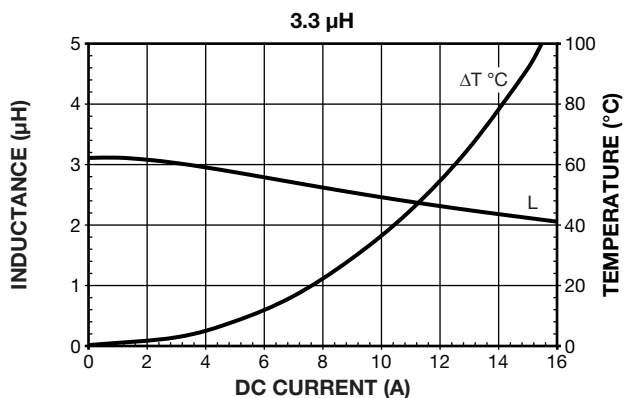
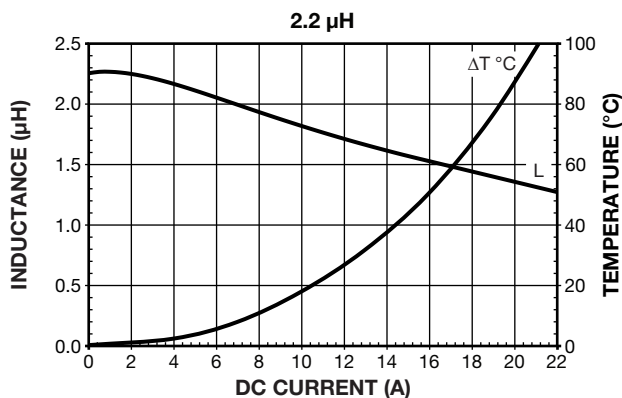
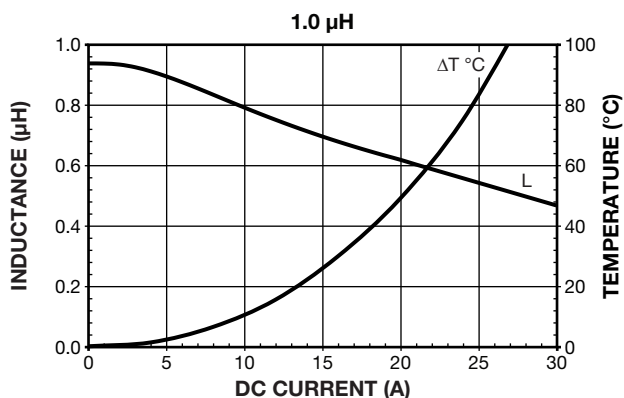
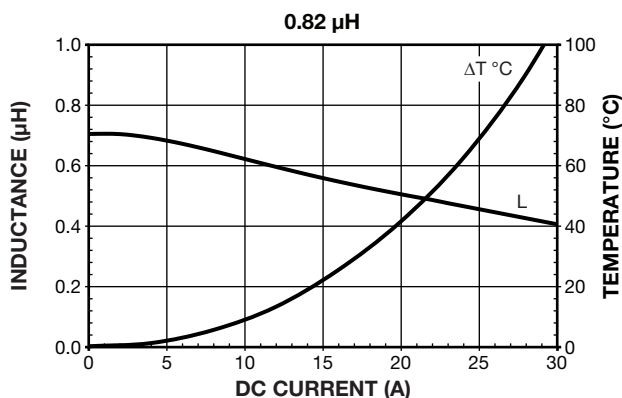
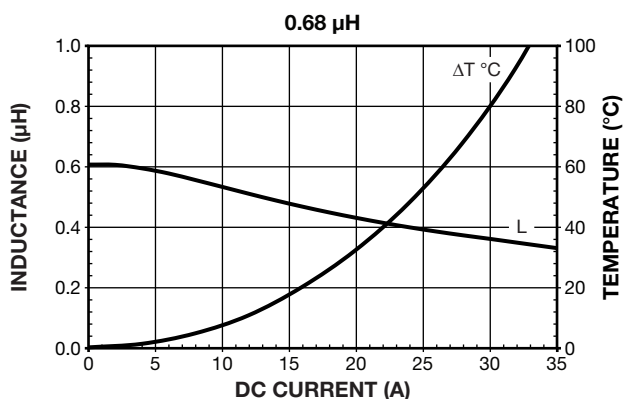
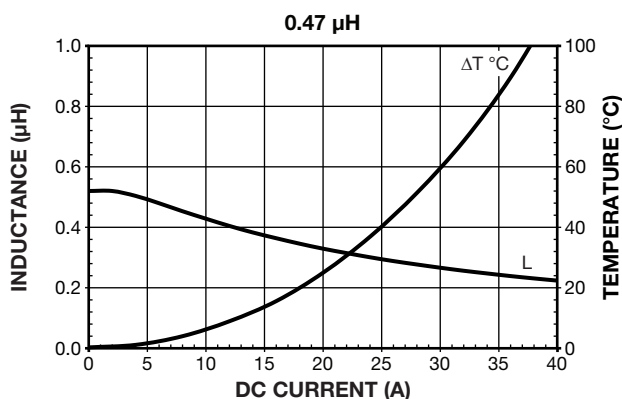
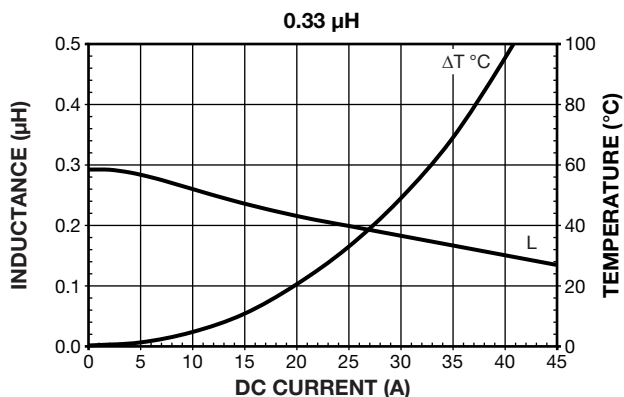
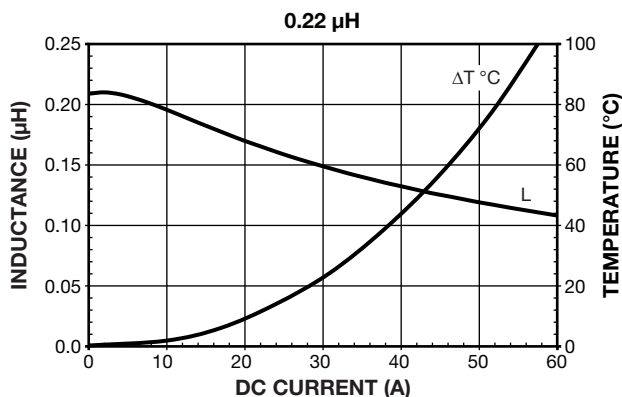
- All test data is referenced to 25 °C ambient
- Operating temperature range -55 °C to +125 °C
- The part temperature (ambient + temp. rise) should not exceed 125 °C under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
- Rated operating voltage (across inductor) = 50 V
- (1) DC current (A) that will cause an approximate ΔT of 40 °C
- (2) DC current (A) that will cause L_0 to drop approximately 20 %

DESCRIPTION					
IHLP-3232DZ-11	33 μ H	$\pm 20\%$	ER	e3	
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD	

GLOBAL PART NUMBER																	
I	H	L	P	3	2	3	2	D	Z	E	R	3	3	0	M	1	1
PRODUCT FAMILY				SIZE						PACKAGE CODE		INDUCTANCE VALUE			TOL.	SERIES	

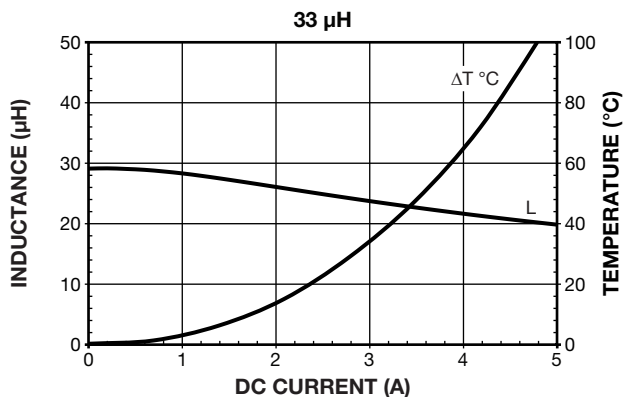
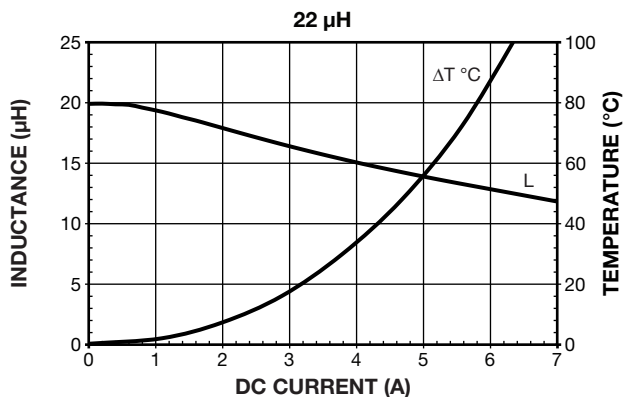
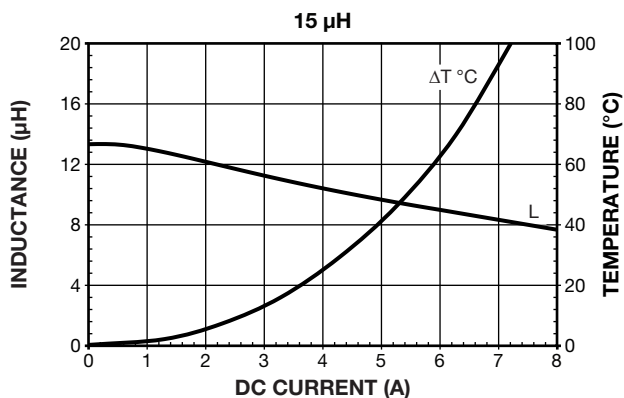
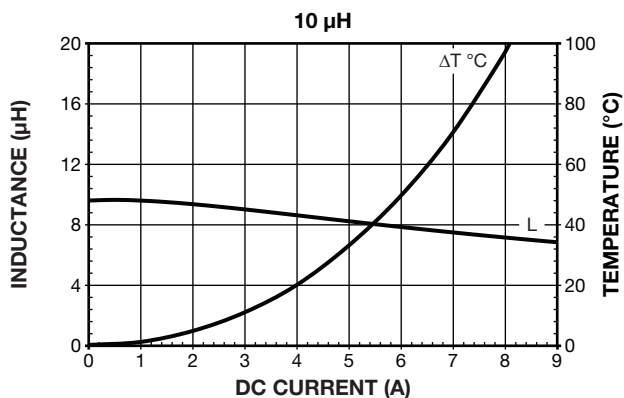
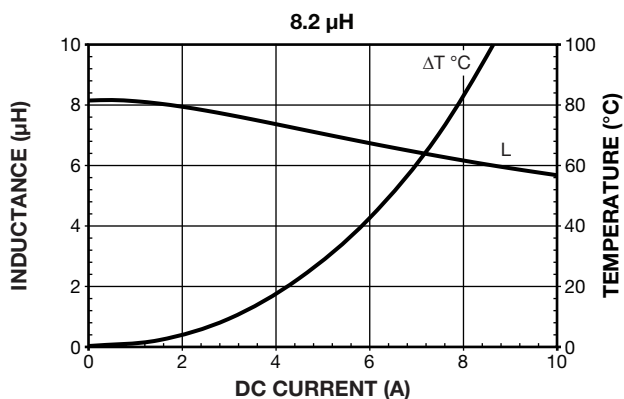
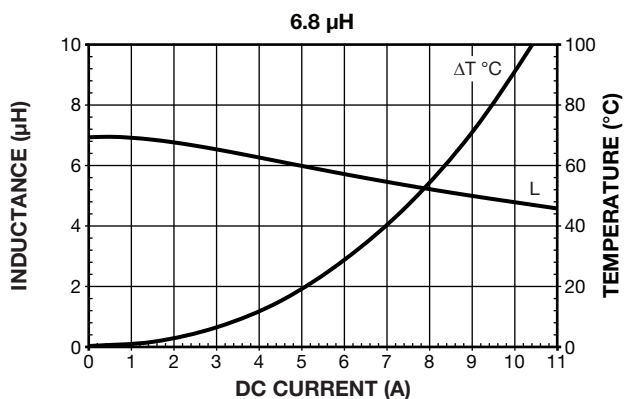
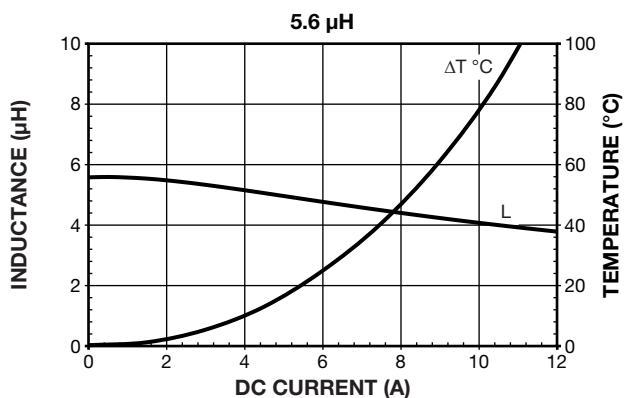
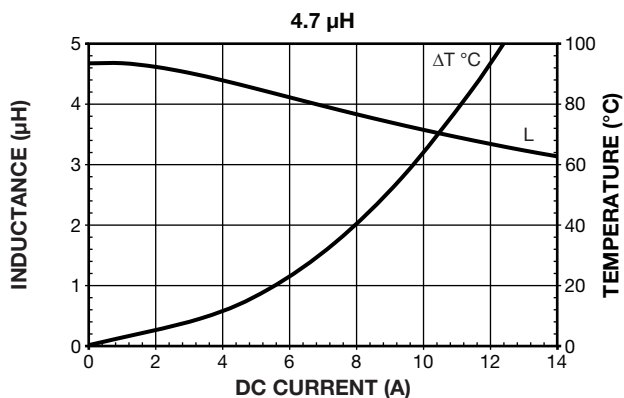


PERFORMANCE GRAPHS



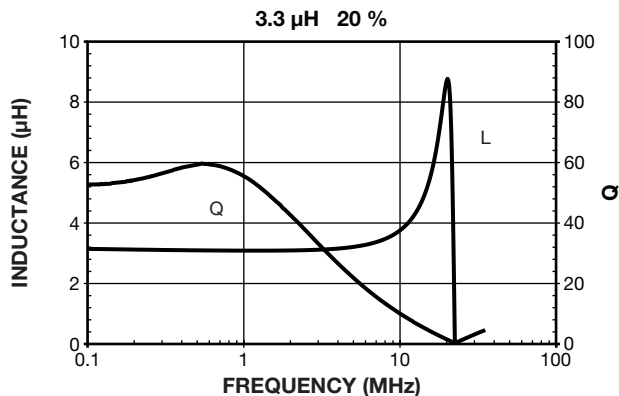
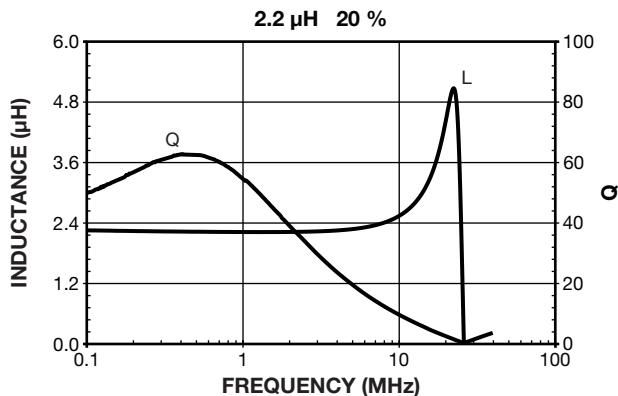
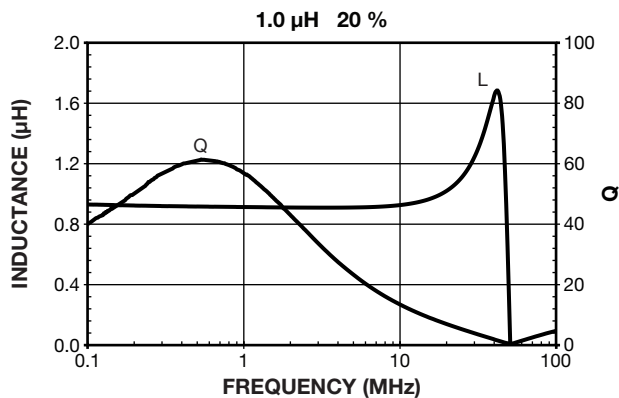
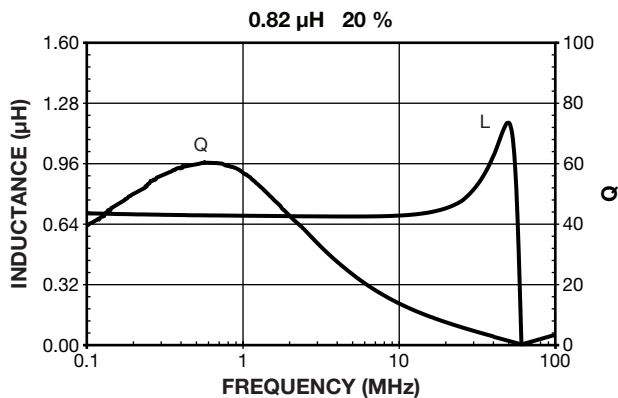
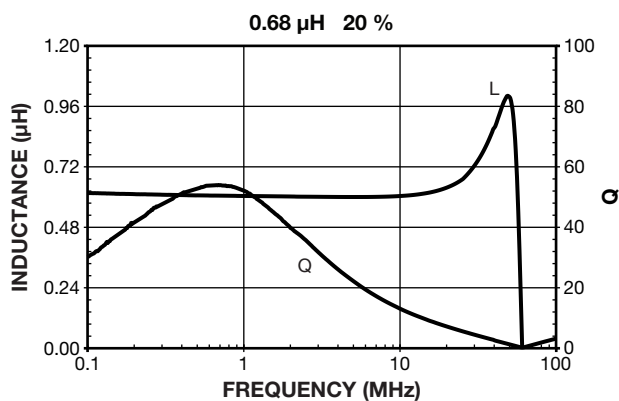
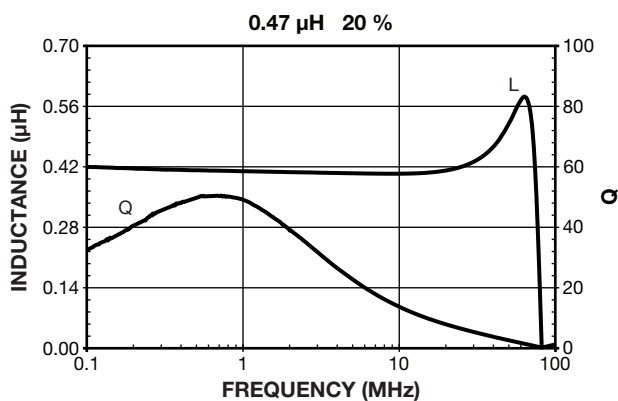
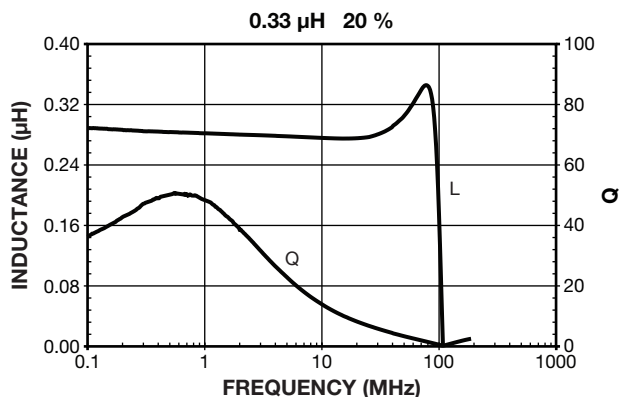
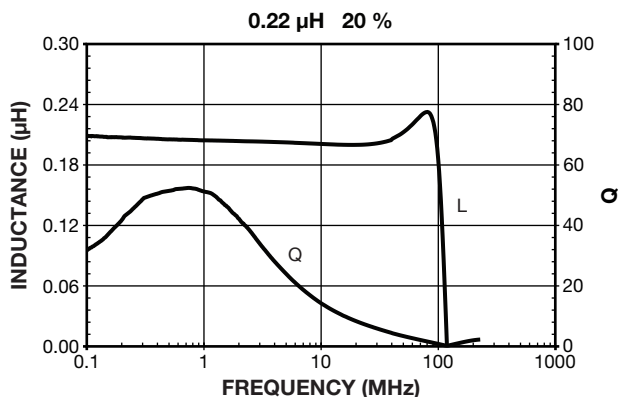


PERFORMANCE GRAPHS



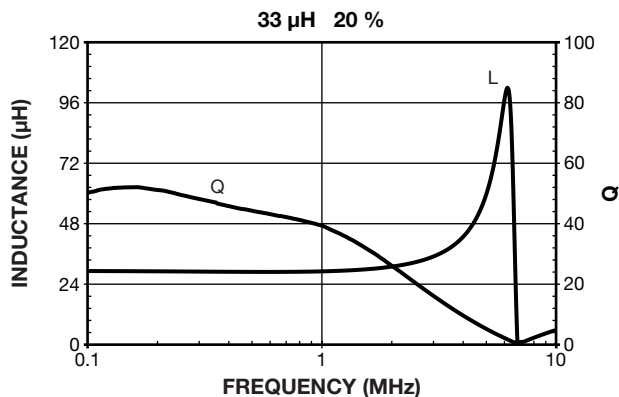
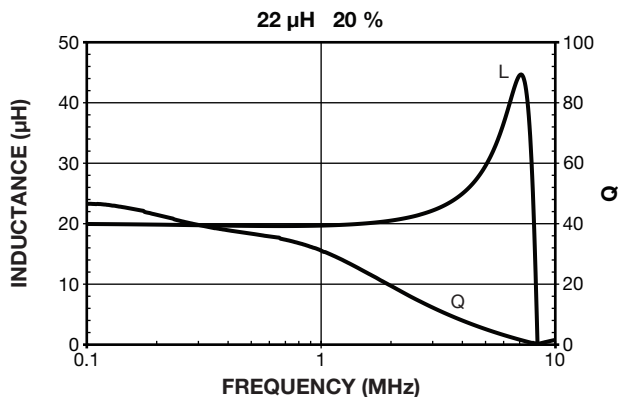
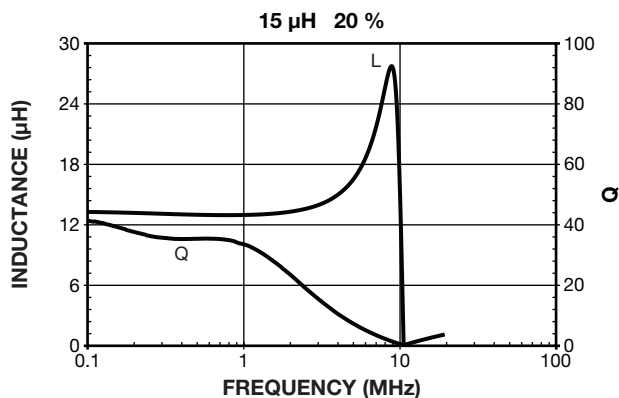
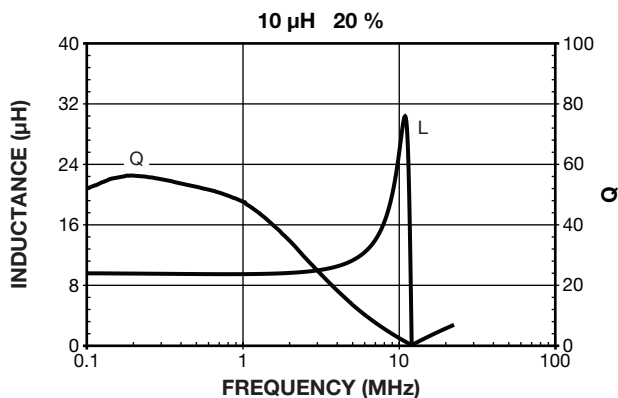
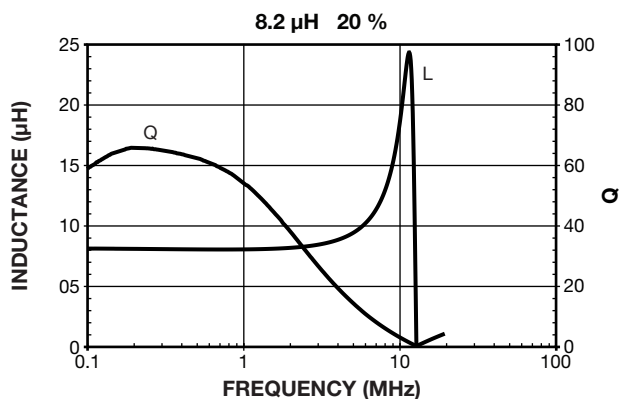
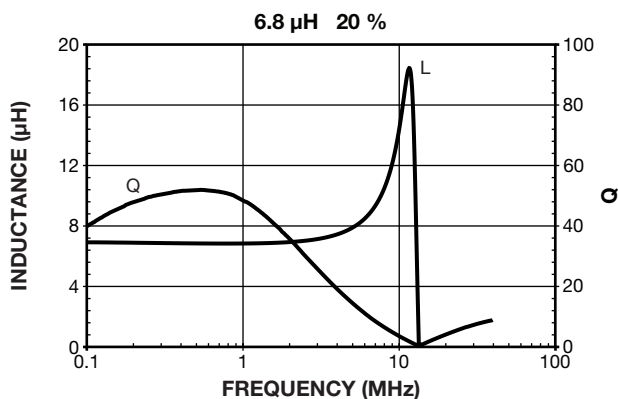
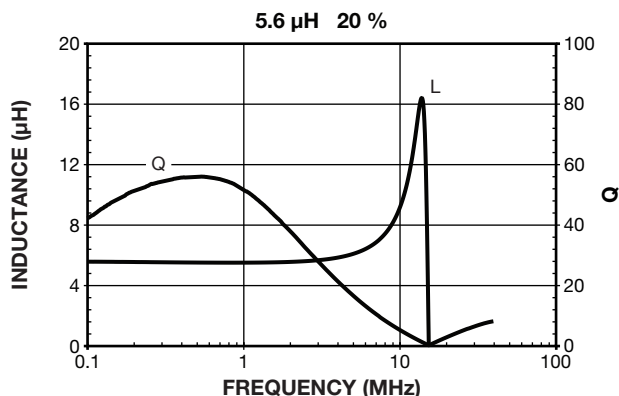
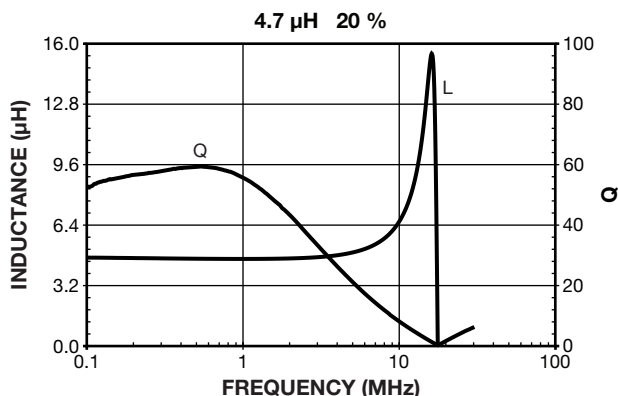


PERFORMANCE GRAPHS: INDUCTANCE AND Q VS. FREQUENCY





PERFORMANCE GRAPHS: INDUCTANCE AND Q VS. FREQUENCY





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