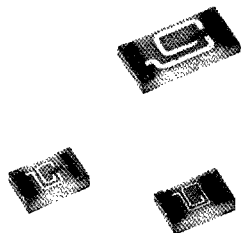


SURFACE MOUNT INDUCTORS

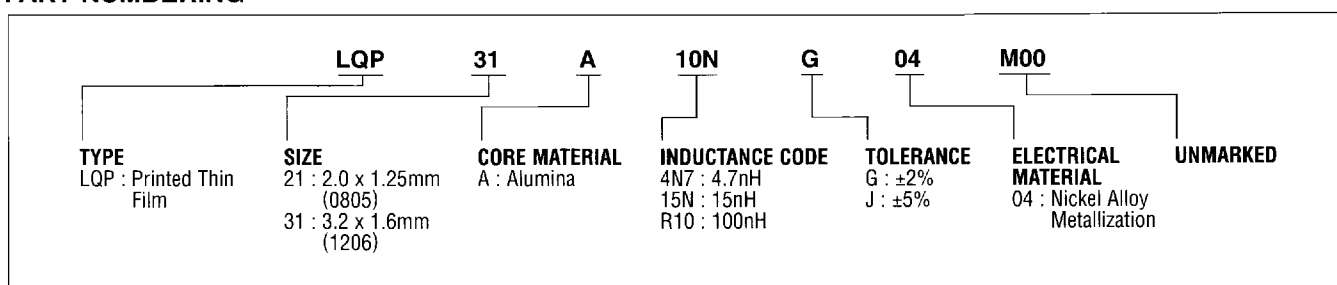
LQP21A/31 Series

The LQP21A/LQP31A series comprises chip coils with a tight inductance tolerance, $\pm 2\%$, achieved in a small chip area. Murata achieves this by forming the coil with precision film technology.

This coil is excellent in the high-frequency circuits of radio communication equipment.



PART NUMBERING



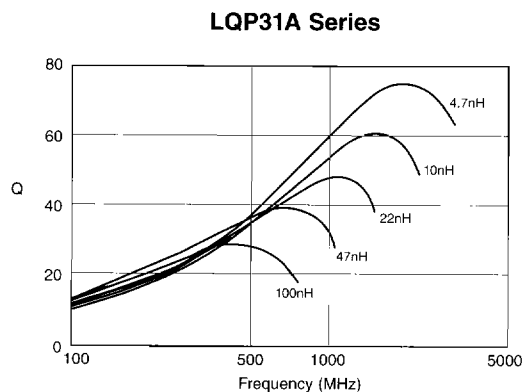
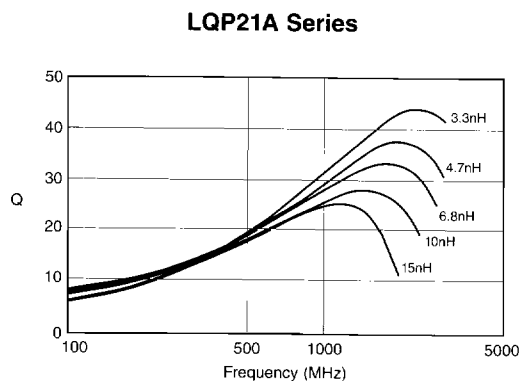
SPECIFICATIONS

Dimensions: mm	Part Number	Inductance			Q			DC Resistance (Ω) max.	Self-resonant Frequency (MHz min.)	Allowable Current (mA)	Operating Temp. Range
		Nominal Value (nH)	Tolerance (%)	Measurement Frequency	Peak Value (typ.)	Min. Value	Measurement Frequency (MHz)				
LQP21A Series 	*LQP21A3N3J04	3.3	± 5	500	44	10	500	1	2000	100	-40°C ~ +85°C
	*LQP21A3N9J04	3.9			41						
	*LQP21A4N7J04	4.7			37						
	*LQP21A5N6J04	5.6			36						
	*LQP21A6N8J04	6.8			33						
	*LQP21A8N2J04	8.2			30						
	*LQP21A10NJ(G)04	10	± 5 (± 2)	500	28	20	500	2	1000	250	-40°C ~ +85°C
	*LQP21A12NJ(G)04	12			27						
	*LQP21A15NJ(G)04	15			25						
LQP31A Series 	*LQP31A4N7J04	4.7	± 5	500	69	20	500	1	2000	250	-40°C ~ +85°C
	*LQP31A6N8J04	6.8			63						
	*LQP31A10NG(J)04	10	± 2 (± 5)	500	62	10	200	2	1000	160	-40°C ~ +85°C
	*LQP31A12NG(J)04	12			53						
	*LQP31A15NG(J)04	15			48						
	*LQP31A18NG(J)04	18			45						
	*LQP31A22NG(J)04	22			41						
	*LQP31A27NG(J)04	27			34						
	*LQP31A33NG(J)04	33	200	200	30	10	200	5	850	100	-40°C ~ +85°C
	*LQP31A47NG(J)04	47			41						
*LQP31A68NG(J)04	68	34									
*LQP31AR10G(J)04	100				30			7	650	70	

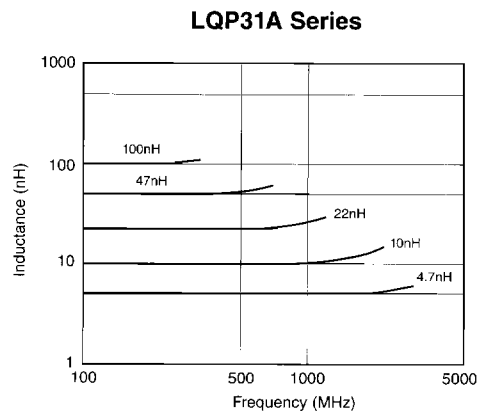
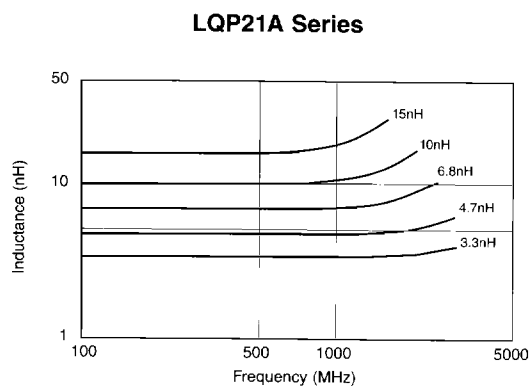
*Available as standard through authorized Murata Electronics Distributors.

TYPICAL ELECTRICAL CHARACTERISTICS

Q-FREQUENCY CHARACTERISTICS



INDUCTANCE-FREQUENCY CHARACTERISTICS



SURFACE MOUNT INDUCTORS