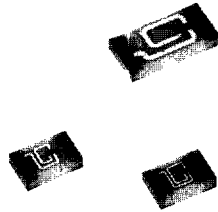


The LQP Series is comprised of chip coils with a tight inductance tolerance, $\pm 2\%$, achieved in a small chip area. Murata achieves this by forming the coil with precision film technology.

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



PART NUMBERING

TYPE LQP : Printed Thin Film	SIZE 21 : 2.0 x 1.25mm (0805) 31 : 3.2 x 1.6mm (1206)	CORE MATERIAL A : Alumina	INDUCTANCE CODE 4N7 : 4.7nH 15N : 15nH R10 : 100nH	TOLERANCE G : $\pm 2\%$ J : $\pm 5\%$	ELECTRICAL MATERIAL 04 : Nickel Alloy Metallization	UNMARKED
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SPECIFICATIONS

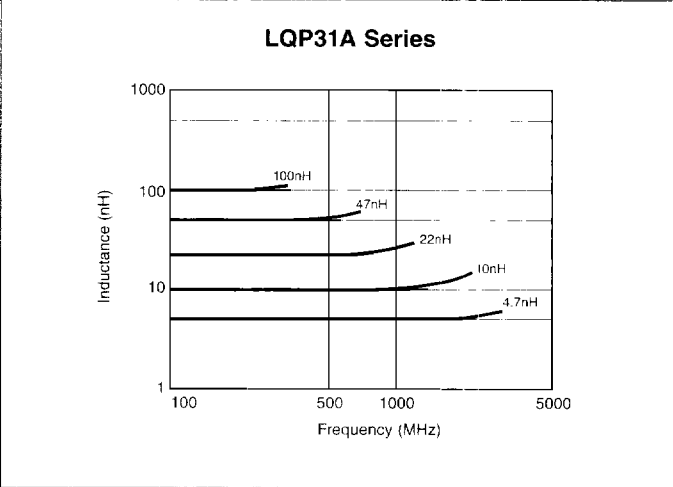
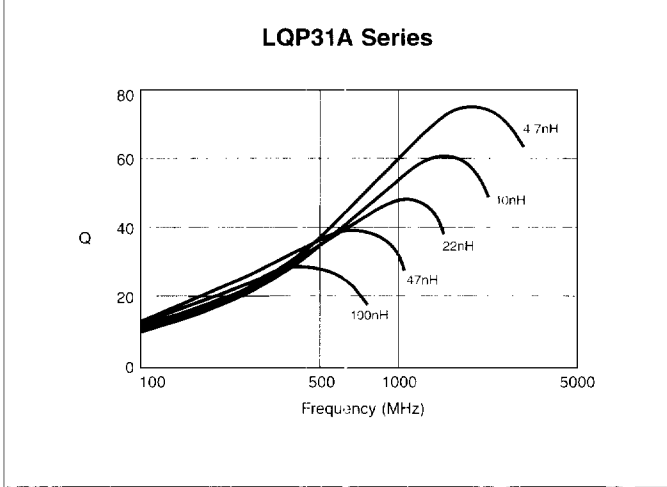
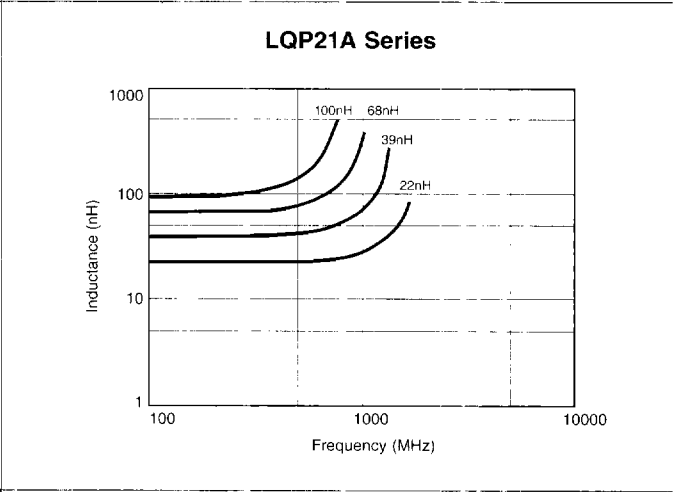
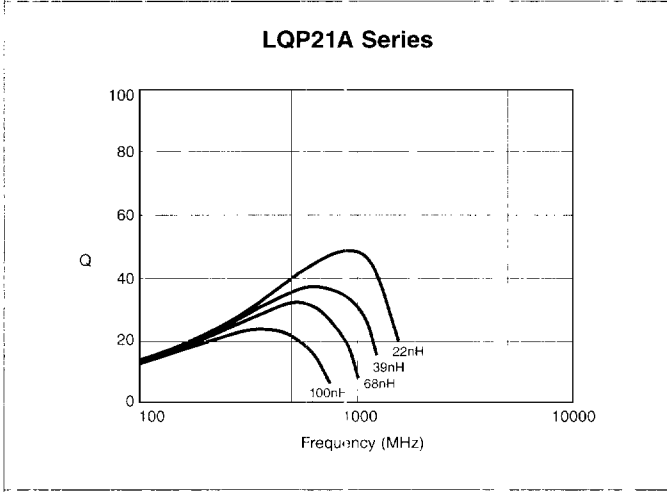
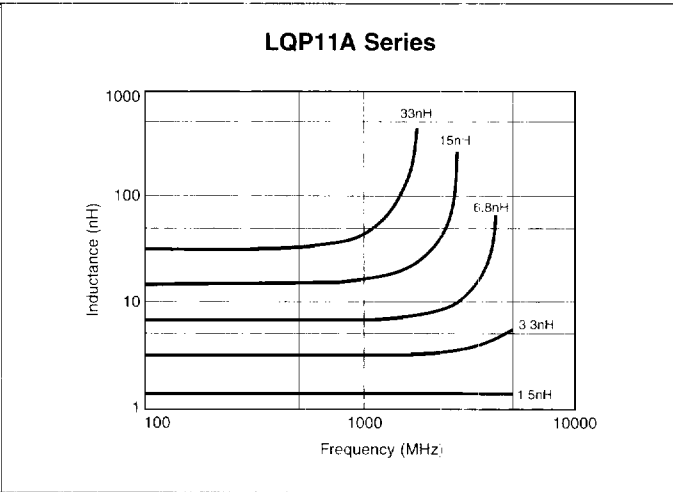
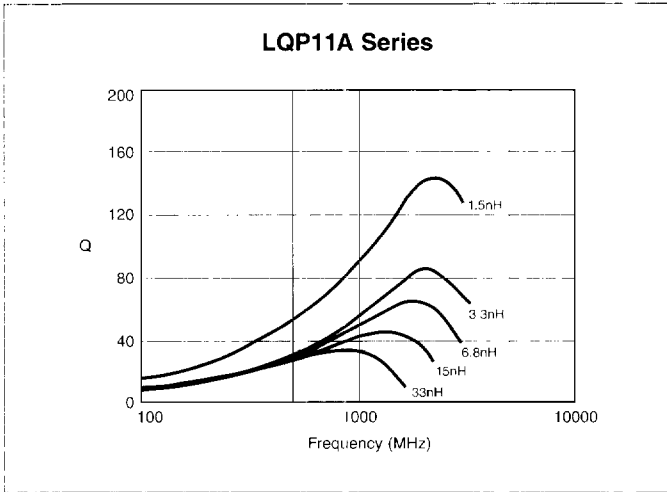
Dimensions: mm	Part Number	Inductance			Q			DC Resistance (Ω max.)	Self-resonant Frequency (MHz min.)	Allowable Current (mA)	Operating Temp. Range ($^{\circ}$ C)									
		Nominal Value (nH)	Tolerance (%)	Test Frequency (MHz)	Peak Value (Typ.)	Min. Value	Test Frequency (MHz)													
	LQP11A Series																			
	*LQP11A1N3C14	1.3	± 0.1 nH	500	180	17	500	0.3	6000	300	-40° C ~ $+85^{\circ}$ C									
	*LQP11A1N5C14	1.5			140															
	*LQP11A1N8C14	1.8			120															
	*LQP11A2N2C14	2.2			95															
	*LQP11A2N7C14	2.7			90															
	*LQP11A3N3C14	3.3			85															
	*LQP11A3N9C14	3.9			80			0.4	200											
	*LQP11A4N7C14	4.7			75															
	*LQP11A5N6C14	5.6			65															
	*LQP11A6N8C14	6.8			57															
	*LQP11A8N2C14	8.2			30															
	*LQP11A10NG(J)14	10.0			55					0.5		150								
	*LQP11A12NG(J)14	12.0			50															
	*LQP11A15NG(J)14	15.0			45															
	*LQP11A18NG(J)14	18.0			39															
	*LQP11A22NG(J)14	22.0			38															
	*LQP11A27NG(J)14	27.0			32			0.6	100											
*LQP11A33NG(J)14	33.0	30																		
*LQP21A22NG(J)14	22	$\pm 2\%$ ($\pm 5\%$)	300	300	200															
LQP21A Series																				
*LQP21A27NG(J)14	27					$\pm 2\%$ ($\pm 5\%$)	300			300	0.9									
*LQP21A33NG(J)14	33											40								
*LQP21A39NG(J)14	39							39												
*LQP21A47NG(J)14	47							36												
*LQP21A56NG(J)14	56							35												
*LQP21A68NG(J)14	68							34	1.5											
*LQP21A82NG(J)14	82							32												
*LQP21A82NG(J)14	82							31												
*LQP21A82NG(J)14	82							31												
*LQP21A82NG(J)14	82							31												
*LQP21AR10G(J)14	100							24			1.7	150								
	LQP31A Series																			
	*LQP31A4N7J04							4.7	$\pm 2\%$ ($\pm 5\%$)				500	20	500	1	2000	250		
	*LQP31A6N8J04							6.8											69	
	*LQP31A10NG(J)04							10												63
	*LQP31A12NG(J)04							12												
	*LQP31A15NG(J)04	15	53																	
	*LQP31A18NG(J)04	18		2																
	*LQP31A22NG(J)04	22			1000															
	*LQP31A27NG(J)04	27				230														
	*LQP31A33NG(J)04	33					160													
	*LQP31A47NG(J)04	47						48												
	*LQP31A68NG(J)04	68	45																	
	*LQP31AR10G(J)04	100		30																
					200					10	200	5				850	100			
						41														
							34													
								34												
			7																	
		650																		
				70																

*Available as standard through authorized Murata Electronics Distributors.

TYPICAL ELECTRICAL CHARACTERISTICS

Q-FREQUENCY CHARACTERISTICS

INDUCTANCE-FREQUENCY CHARACTERISTICS



SURFACE MOUNT INDUCTORS