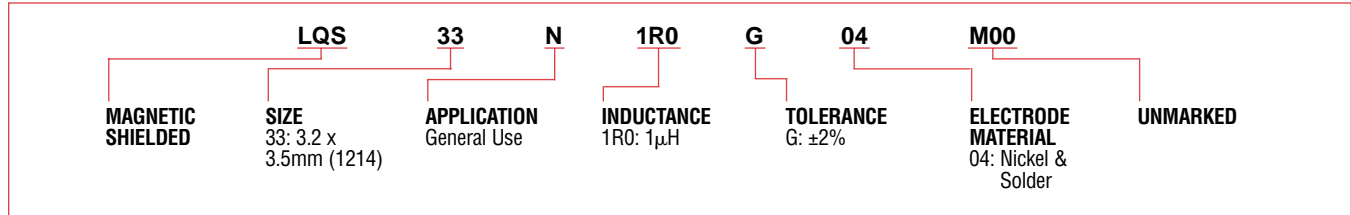
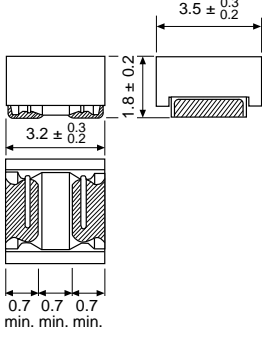


The LQS33N is a series of closed, magnetically shielded chip inductors wound on ferrite bobbins developed by Murata Electronics. Their high Q value virtually eliminates interference with nearby circuits. This, combined with their tight inductance tolerance, makes these chip inductors excellent in resonance circuits.

PART NUMBERING SYSTEM

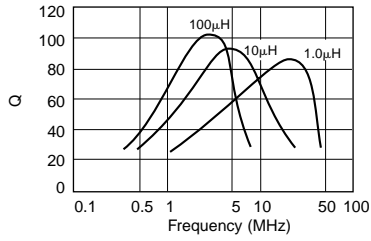


SPECIFICATIONS

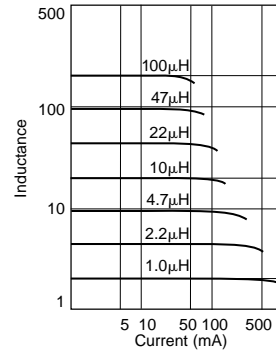
Dimensions: mm	Part Number	Inductance			Q			DC Resistance (Ohms)	Self-resonant Frequency (MHz min.)	Allowable Current (mA)	Operating Temp. Range
		Nominal Value (µH)	Tolerance (%)	Measurement Frequency (MHz)	Peak Value Typ.	Min. Value	Measurement Frequency (MHz)				
	LQS33N1R0G04	1.0	±2	7.96	85	60	7.96	0.19 ± 30%	120	70	-25°C ~ +85°C
	LQS33N1R2G04	1.2			85			0.22 ± 30%	100		
	LQS33N1R5G04	1.5			85			0.26 ± 30%	80		
	LQS33N1R8G04	1.8			85			0.28 ± 30%	70		
	LQS33N2R2G04	2.2			90			0.33 ± 30%	60		
	LQS33N2R7G04	2.7			90			0.39 ± 30%	55		
	LQS33N3R3G04	3.3			90			0.43 ± 30%	50		
	LQS33N3R9G04	3.9			90			0.45 ± 30%	45		
	LQS33N4R7G04	4.7			90			0.52 ± 30%	40		
	LQS33N5R6G04	5.6			90			0.56 ± 30%	37		
	LQS33N6R8G04	6.8			90			0.62 ± 30%	35		
	LQS33N8R2G04	8.2			90			0.69 ± 30%	32		
	LQS33N10G04	10			90			0.94 ± 30%	30		
	LQS33N12G04	12			90			1.1 ± 30%	27		
	LQS33N15G04	15		90	1.2 ± 30%	25					
	LQS33N18G04	18		90	1.3 ± 30%	23					
	LQS33N22G04	22		90	1.5 ± 30%	20					
	LQS33N27G04	27		95	1.7 ± 30%	18					
	LQS33N33G04	33		95	2.4 ± 30%	16					
	LQS33N39G04	39		95	2.6 ± 30%	15					
	LQS33N47G04	47		95	3.0 ± 30%	14					
	LQS33N56G04	56		100	3.3 ± 30%	13					
	LQS33N68G04	68		100	5.3 ± 30%	12					
	LQS33N82G04	82		100	5.8 ± 30%	11					
	LQS33N101G04	100		100	6.6 ± 30%	10					

TYPICAL ELECTRICAL CHARACTERISTICS

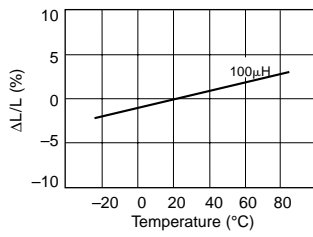
Q-FREQUENCY CHARACTERISTICS



INDUCTANCE-CURRENT CHARACTERISTICS



INDUCTANCE-TEMPERATURE CHARACTERISTICS



COUPLING FACTOR

