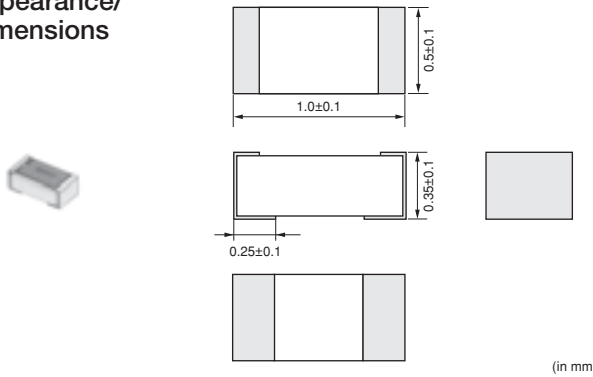


# LQP15MN\_02 Series 0402/1005 (inch/mm)

Size Code 0402 (1005) in inch (in mm), Tight Inductance Tolerance, Film Type

■ Appearance/Dimensions



■ Packaging

Code	Packaging	Minimum Quantity
D	ø180mm Paper Taping	10000
J	ø330mm Paper Taping	50000
B	Packing in Bulk	500



Refer to pages 227 to 230 for mounting information.

■ Rated Value (□: packaging code)

Part Number	Inductance	Inductance Test Frequency	Rated Current	Max. of DC Resistance	Q (min.)	Q Test Frequency	Self-Resonance Frequency (min.)	
LQP15MN1N0B02□	1.0nH ±0.1nH	500MHz	400mA	0.1Ω	13	500MHz	6000MHz	Kit
LQP15MN1N0W02□	1.0nH ±0.05nH	500MHz	400mA	0.1Ω	13	500MHz	6000MHz	
LQP15MN1N1B02□	1.1nH ±0.1nH	500MHz	390mA	0.1Ω	13	500MHz	6000MHz	Kit
LQP15MN1N1W02□	1.1nH ±0.05nH	500MHz	390mA	0.1Ω	13	500MHz	6000MHz	
LQP15MN1N2B02□	1.2nH ±0.1nH	500MHz	390mA	0.1Ω	13	500MHz	6000MHz	Kit
LQP15MN1N2W02□	1.2nH ±0.05nH	500MHz	390mA	0.1Ω	13	500MHz	6000MHz	
LQP15MN1N3B02□	1.3nH ±0.1nH	500MHz	280mA	0.2Ω	13	500MHz	6000MHz	Kit
LQP15MN1N3W02□	1.3nH ±0.05nH	500MHz	280mA	0.2Ω	13	500MHz	6000MHz	
LQP15MN1N4W02□	1.4nH ±0.05nH	500MHz	280mA	0.2Ω	13	500MHz	6000MHz	
LQP15MN1N5B02□	1.5nH ±0.1nH	500MHz	280mA	0.2Ω	13	500MHz	6000MHz	Kit
LQP15MN1N5W02□	1.5nH ±0.05nH	500MHz	280mA	0.2Ω	13	500MHz	6000MHz	
LQP15MN1N6B02□	1.6nH ±0.1nH	500MHz	220mA	0.3Ω	13	500MHz	6000MHz	Kit
LQP15MN1N6W02□	1.6nH ±0.05nH	500MHz	220mA	0.3Ω	13	500MHz	6000MHz	
LQP15MN1N7W02□	1.7nH ±0.05nH	500MHz	280mA	0.2Ω	13	500MHz	6000MHz	
LQP15MN1N8B02□	1.8nH ±0.1nH	500MHz	280mA	0.2Ω	13	500MHz	6000MHz	Kit
LQP15MN1N8W02□	1.8nH ±0.05nH	500MHz	280mA	0.2Ω	13	500MHz	6000MHz	
LQP15MN1N9W02□	1.9nH ±0.05nH	500MHz	220mA	0.3Ω	13	500MHz	6000MHz	
LQP15MN2N0B02□	2.0nH ±0.1nH	500MHz	220mA	0.3Ω	13	500MHz	6000MHz	Kit
LQP15MN2N0W02□	2.0nH ±0.05nH	500MHz	220mA	0.3Ω	13	500MHz	6000MHz	
LQP15MN2N1W02□	2.1nH ±0.05nH	500MHz	220mA	0.3Ω	13	500MHz	6000MHz	
LQP15MN2N2B02□	2.2nH ±0.1nH	500MHz	220mA	0.3Ω	13	500MHz	6000MHz	Kit
LQP15MN2N2W02□	2.2nH ±0.05nH	500MHz	220mA	0.3Ω	13	500MHz	6000MHz	
LQP15MN2N3W02□	2.3nH ±0.05nH	500MHz	220mA	0.3Ω	13	500MHz	6000MHz	
LQP15MN2N4B02□	2.4nH ±0.1nH	500MHz	220mA	0.3Ω	13	500MHz	6000MHz	Kit
LQP15MN2N4W02□	2.4nH ±0.05nH	500MHz	220mA	0.3Ω	13	500MHz	6000MHz	
LQP15MN2N5W02□	2.5nH ±0.05nH	500MHz	220mA	0.3Ω	13	500MHz	6000MHz	
LQP15MN2N6W02□	2.6nH ±0.05nH	500MHz	220mA	0.3Ω	13	500MHz	6000MHz	
LQP15MN2N7B02□	2.7nH ±0.1nH	500MHz	220mA	0.3Ω	13	500MHz	6000MHz	Kit
LQP15MN2N7W02□	2.7nH ±0.05nH	500MHz	220mA	0.3Ω	13	500MHz	6000MHz	
LQP15MN2N8W02□	2.8nH ±0.05nH	500MHz	190mA	0.4Ω	13	500MHz	6000MHz	
LQP15MN2N9W02□	2.9nH ±0.05nH	500MHz	190mA	0.4Ω	13	500MHz	6000MHz	
LQP15MN3N0B02□	3.0nH ±0.1nH	500MHz	190mA	0.4Ω	13	500MHz	6000MHz	Kit

Operating Temperature Range (Self-temperature rise is not included): -40°C~+85°C  
For reflow soldering only.

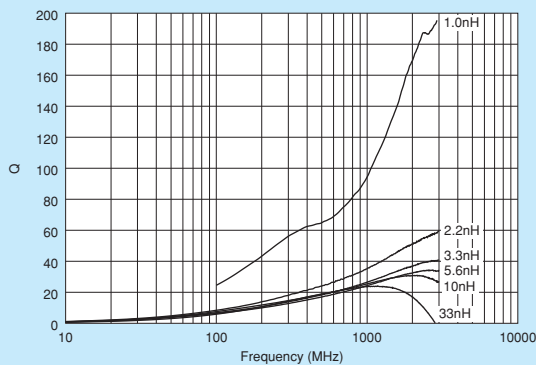
Continued on the following page.

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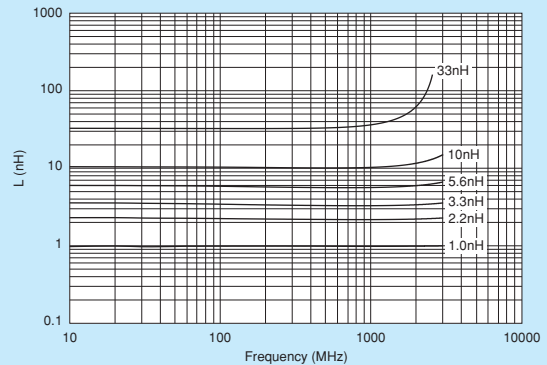
Part Number	Inductance	Inductance Test Frequency	Rated Current	Max. of DC Resistance	Q (min.)	Q Test Frequency	Self-Resonance Frequency (min.)	
LQP15MN3N0W02□	3.0nH ±0.05nH	500MHz	190mA	0.4Ω	13	500MHz	6000MHz	
LQP15MN3N1W02□	3.1nH ±0.05nH	500MHz	190mA	0.4Ω	13	500MHz	6000MHz	
LQP15MN3N2W02□	3.2nH ±0.05nH	500MHz	190mA	0.4Ω	13	500MHz	6000MHz	
LQP15MN3N3B02□	3.3nH ±0.1nH	500MHz	190mA	0.4Ω	13	500MHz	6000MHz	Kit
LQP15MN3N3W02□	3.3nH ±0.05nH	500MHz	190mA	0.4Ω	13	500MHz	6000MHz	
LQP15MN3N4W02□	3.4nH ±0.05nH	500MHz	170mA	0.5Ω	13	500MHz	6000MHz	
LQP15MN3N5W02□	3.5nH ±0.05nH	500MHz	170mA	0.5Ω	13	500MHz	6000MHz	
LQP15MN3N6B02□	3.6nH ±0.1nH	500MHz	170mA	0.5Ω	13	500MHz	6000MHz	Kit
LQP15MN3N6W02□	3.6nH ±0.05nH	500MHz	170mA	0.5Ω	13	500MHz	6000MHz	
LQP15MN3N7W02□	3.7nH ±0.05nH	500MHz	170mA	0.5Ω	13	500MHz	6000MHz	
LQP15MN3N8W02□	3.8nH ±0.05nH	500MHz	170mA	0.5Ω	13	500MHz	6000MHz	
LQP15MN3N9B02□	3.9nH ±0.1nH	500MHz	170mA	0.5Ω	13	500MHz	6000MHz	Kit
LQP15MN3N9W02□	3.9nH ±0.05nH	500MHz	170mA	0.5Ω	13	500MHz	6000MHz	
LQP15MN4N3B02□	4.3nH ±0.1nH	500MHz	160mA	0.6Ω	13	500MHz	6000MHz	Kit
LQP15MN4N7B02□	4.7nH ±0.1nH	500MHz	160mA	0.6Ω	13	500MHz	6000MHz	Kit
LQP15MN5N1B02□	5.1nH ±0.1nH	500MHz	140mA	0.7Ω	13	500MHz	6000MHz	Kit
LQP15MN5N6B02□	5.6nH ±0.1nH	500MHz	140mA	0.7Ω	13	500MHz	6000MHz	Kit
LQP15MN6N2B02□	6.2nH ±0.1nH	500MHz	130mA	0.9Ω	13	500MHz	6000MHz	Kit
LQP15MN6N8B02□	6.8nH ±0.1nH	500MHz	130mA	0.9Ω	13	500MHz	6000MHz	Kit
LQP15MN7N5B02□	7.5nH ±0.1nH	500MHz	110mA	1.1Ω	13	500MHz	5500MHz	Kit
LQP15MN8N2B02□	8.2nH ±0.1nH	500MHz	110mA	1.1Ω	13	500MHz	5500MHz	Kit
LQP15MN9N1B02□	9.1nH ±0.1nH	500MHz	100mA	1.3Ω	13	500MHz	4500MHz	Kit
LQP15MN10NG02□	10nH ±2%	500MHz	100mA	1.3Ω	13	500MHz	4500MHz	Kit
LQP15MN12NG02□	12nH ±2%	500MHz	90mA	1.6Ω	13	500MHz	3700MHz	Kit
LQP15MN15NG02□	15nH ±2%	500MHz	90mA	1.8Ω	13	500MHz	3300MHz	Kit
LQP15MN18NG02□	18nH ±2%	500MHz	80mA	2.0Ω	13	500MHz	3100MHz	Kit
LQP15MN22NG02□	22nH ±2%	500MHz	70mA	2.6Ω	13	500MHz	2800MHz	Kit
LQP15MN27NG02□	27nH ±2%	500MHz	70mA	3.1Ω	13	500MHz	2500MHz	Kit
LQP15MN33NG02□	33nH ±2%	500MHz	60mA	3.8Ω	13	500MHz	2100MHz	Kit

Operating Temperature Range (Self-temperature rise is not included): -40°C~+85°C  
 For reflow soldering only.

■ Q-Frequency Characteristics (Typ.)



■ Inductance-Frequency Characteristics (Typ.)



Continued on the following page.

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## ■ Reference Data

Part Number	Q (Typ.)				
	800MHz	900MHz	1.8GHz	2.0GHz	2.4GHz
LQP15MN1N0□02	80	88	157	172	188
LQP15MN1N1□02	60	65	107	115	125
LQP15MN1N2□02	56	61	100	104	114
LQP15MN1N3□02	46	50	77	81	86
LQP15MN1N4□02	40	44	65	68	73
LQP15MN1N5□02	34	36	55	57	62
LQP15MN1N6□02	25	27	40	42	46
LQP15MN1N7□02	29	32	47	49	53
LQP15MN1N8□02	32	35	51	53	57
LQP15MN1N9□02	34	36	54	56	60
LQP15MN2N0□02	32	34	51	53	57
LQP15MN2N1□02	34	37	55	57	61
LQP15MN2N2□02	31	33	49	51	55
LQP15MN2N3□02	32	34	51	54	58
LQP15MN2N4□02	32	34	51	53	57
LQP15MN2N5□02	31	33	50	52	56
LQP15MN2N6□02	29	32	47	49	53
LQP15MN2N7□02	29	32	47	49	53
LQP15MN2N8□02	28	30	45	46	50
LQP15MN2N9□02	28	30	44	45	48
LQP15MN3N0□02	27	29	43	44	48
LQP15MN3N1□02	25	27	39	41	44
LQP15MN3N2□02	24	26	36	37	40
LQP15MN3N3□02	23	25	36	37	39
LQP15MN3N4□02	24	25	36	37	39
LQP15MN3N5□02	25	27	38	39	42
LQP15MN3N6□02	24	26	38	39	42
LQP15MN3N7□02	25	27	38	39	42
LQP15MN3N8□02	25	26	37	38	41
LQP15MN3N9□02	25	27	38	40	42
LQP15MN4N3□02	25	26	38	39	42
LQP15MN4N7□02	26	28	40	41	43
LQP15MN5N1□02	26	27	39	40	42
LQP15MN5N6□02	22	23	32	32	34
LQP15MN6N2□02	22	23	33	33	35
LQP15MN6N8□02	22	24	32	33	34
LQP15MN7N5□02	23	24	32	33	34
LQP15MN8N2□02	23	25	34	35	36
LQP15MN9N1□02	23	24	33	33	34
LQP15MN10N□02	23	24	31	31	-
LQP15MN12N□02	24	26	32	32	-
LQP15MN15N□02	23	24	28	28	-
LQP15MN18N□02	22	23	25	24	-
LQP15MN22N□02	23	24	24	22	-
LQP15MN27N□02	23	24	22	20	-
LQP15MN33N□02	22	23	20	-	-

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