

CHIP COIL (CHIP INDUCTOR) for Automotive infotainment/comfort equipment LQW15AN \(\subseteq \subseteq 8Z \subsete Murata Standard Reference Specification [AEC-Q200]

1. Scope

This reference specification applies to chip coil (chip inductor) LQW15AN_8Z series based on AEC-Q200.

1.1 Specific applications:

- Automotive infotainment/comfort equipment: Products that can be used for automotive equipment such as car navigation systems and car audio systems that do not directly relate to human life and whose structure, equipment, and performance are not specifically required by law to meet technical standards for safety assurance or environmental protection.
- Industrial equipment: Products that can be used in industrial equipment such as base stations, manufacturing equipment, industrial robotics equipment, and measurement equipment, and whose functions do not directly relate to the protection of human life and property.
- Medical equipment (GHTF Class C) *Except for implant/surgery/auto injector: Products that can be used for medical
 equipment of Class C of the international classification class GHTF and whose malfunction is considered to pose a
 relatively high risk to the human body.
- Medical equipment (GHTF Class A and B): Products that can be used for medical equipment regulated by Class A and Class B of the international classification class GHTF and whose functions do not directly relate to the protection of human life and property.
- Consumer equipment: Products that can be used in consumer equipment such as home appliances, audio/visual
 equipment, communication equipment, information equipment, office equipment, and household robotics, and whose
 functions are not directly related to the protection of human life and property.

This series is designed for use in Car Multimedia, Car Interior, Car Comfort application and General Electronic equipment. It is not appropriate for use in applications critical to passenger safety and car driving function (e.g. ABS, AIRBAG, etc.).

1.2 Unsuitable application:

Applications critical to passenger safety and car driving function (e.g. ABS, AIRBAG, etc.) and applications listed in "Limitation of applications" in this reference specification.

WE DISCLAIM ANY LOSS AND DAMAGES ARISING FROM OR IN CONNECTION WITH THE PRODUCTS INCLUDING BUT NOT LIMITED TO THE CASE SUCH LOSS AND DAMAGES CAUSED BY THE UNEXPECTED ACCIDENT, IN EVENT THAT THE PRODUCT IS APPLIED FOR THE PURPOSE WHICH IS SPECIFIED ABOVE AS THE UNSUITABLE APPLICATION FOR THE PRODUCT.

2. Part Numbering

(Ex.)	_								
LQ	W	15	A	N	1N3	C	8	Z	D
Product	Structure	Dimension	Application	Category	Inductance	Tolerance	Performance	Category	Packaging
ID		$(L \times W)$	and					Z: Automotive	D: taping
			characteristic						*B: bulk

^{*}B: Bulk packing is also available (taping condition: however, products without reels are put in plastic bags).

3. Part Number and Rating

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Ī	Operating temperature range	-55°C to +125°C		
Ī	Storage temperature range	-55°C to +125°C		

		Indu	uctance		DC	Self-resonant	Rated	ESD
Customer Part number	Murata Part number	Nominal value (nH)	Tolerance	Q (Min.)	resistance (Ω max.)	frequency (GHz min.)	current (mA)*1	Rank 6: 25 kV
	LQW15AN1N3C8ZD	1.3	C: ±0.2 nH	20	0.012	18.0	3150	6
	LQW15AN1N3D8ZD	1.3	D: ±0.5 nH	20	0.012	18.0	3150	6
	LQW15AN1N5C8ZD	1.5	C: ±0.2 nH	20	0.028	18.0	2100	6
	LQW15AN1N5D8ZD	1.5	D: ±0.5 nH	20	0.028	18.0	2100	6
	LQW15AN1N6C8ZD	1.6	C: ±0.2 nH	20	0.045	18.0	1450	6
	LQW15AN1N6D8ZD	1.6	D: ±0.5 nH	20	0.045	18.0	1450	6
	LQW15AN1N7C8ZD	1.7	C: ±0.2 nH	20	0.065	18.0	1150	6
	LQW15AN1N7D8ZD	1.7	D: ±0.5 nH	20	0.065	18.0	1150	6
	LQW15AN2N2B8ZD	2.2	B: ±0.1 nH	30	0.022	15.5	2530	6
	LQW15AN2N2C8ZD	2.2	C: ±0.2 nH	30	0.022	15.5	2530	6

		Industry						
0	NA		uctance	0	DC	Self-resonant	Rated	ESD
Customer Part number	Murata Part number	Nominal value (nH)	Tolerance	Q (Min.)	resistance (Ω max.)	frequency (GHz min.)	current (mA)*1	Rank 6: 25 kV
	LQW15AN2N2D8ZD	2.2	D: ±0.5 nH	30	0.022	15.5	2530	6
	LQW15AN2N2G8ZD	2.2	G: ±2%	30	0.022	15.5	2530	6
	LQW15AN2N3B8ZD	2.3	B: ±0.1 nH	30	0.022	15.5	2530	6
	LQW15AN2N3C8ZD	2.3	C: ±0.2 nH	30	0.022	15.5	2530	6
	LQW15AN2N3D8ZD	2.3	D: ±0.5 nH	30	0.022	15.5	2530	6
	LQW15AN2N3G8ZD	2.3	G: ±2%	30	0.022	15.5	2530	6
	LQW15AN2N4B8ZD	2.4	B: ±0.1 nH	30	0.022	15.5	2530	6
	LQW15AN2N4C8ZD	2.4	C: ±0.2 nH	30	0.022	15.5	2530	6
	LQW15AN2N4D8ZD	2.4	D: ±0.5 nH	30	0.022	15.5	2530	6
	LQW15AN2N4G8ZD	2.4	G: ±2%	30	0.022	15.5	2530	6
	LQW15AN2N5B8ZD	2.5	B: ±0.1 nH	30	0.030	15.5	2100	6
	LQW15AN2N5C8ZD	2.5	C: ±0.2 nH	30	0.030	15.5	2100	6
	LQW15AN2N5D8ZD	2.5	D: ±0.5 nH	30	0.030	15.5	2100	6
	LQW15AN2N5G8ZD	2.5	G: ±2%	30	0.030	15.5	2100	6
	LQW15AN2N6B8ZD	2.6	B: ±0.1 nH	30	0.035	14.5	1950	6
	LQW15AN2N6C8ZD	2.6	C: ±0.2 nH	30	0.035	14.5	1950	6
	LQW15AN2N6D8ZD	2.6	D: ±0.5 nH	30	0.035	14.5	1950	6
	LQW15AN2N6G8ZD	2.6	G: ±2%	30	0.035	14.5	1950	6
	LQW15AN2N7B8ZD	2.7	B: ±0.1 nH	28	0.047	14.0	1500	6
	LQW15AN2N7C8ZD	2.7	C: ±0.2 nH	28	0.047	14.0	1500	6
	LQW15AN2N7D8ZD	2.7	D: ±0.5 nH	28	0.047	14.0	1500	6
	LQW15AN2N7G8ZD	2.7	G: ±2%	28	0.047	14.0	1500	6
	LQW15AN2N8B8ZD	2.8	B: ±0.1 nH	27	0.047	13.5	1500	6
	LQW15AN2N8C8ZD	2.8	C: ±0.2 nH	27	0.047	13.5	1500	6
	LQW15AN2N8D8ZD	2.8	D: ±0.5 nH	27	0.047	13.5	1500	6
	LQW15AN2N8G8ZD	2.8	G: ±2%	27	0.047	13.5	1500	6
	LQW15AN2N9B8ZD	2.9	B: ±0.1 nH	25	0.047	12.5	1500	6
	LQW15AN2N9C8ZD	2.9	C: ±0.2 nH	25	0.047	12.5	1500	6
	LQW15AN2N9D8ZD	2.9	D: ±0.5 nH	25	0.047	12.5	1500	6
	LQW15AN2N9G8ZD	2.9	G: ±2%	25	0.047	12.5	1500	6
	LQW15AN3N0B8ZD	3.0	B: ±0.1 nH	20	0.063	12.5	1350	6
	LQW15AN3N0C8ZD	3.0	C: ±0.2 nH	20	0.063	12.5	1350	6
	LQW15AN3N0D8ZD	3.0	D: ±0.5 nH	20	0.063	12.5	1350	6
	LQW15AN3N0G8ZD	3.0	G: ±2%	20	0.063	12.5	1350	6
	LQW15AN3N3B8ZD	3.3	B: ±0.1 nH	30	0.030	14	2000	6
	LQW15AN3N3C8ZD	3.3	C: ±0.2 nH	30	0.030	14	2000	6
	LQW15AN3N3D8ZD	3.3	D: ±0.5 nH	30	0.030	14	2000	6
	LQW15AN3N3G8ZD	3.3	G: ±2%	30	0.030	14	2000	6
	LQW15AN3N4B8ZD	3.4	B: ±0.1 nH	30	0.030	10	1950	6
	LQW15AN3N4C8ZD	3.4	C: ±0.2 nH	30	0.030	10	1950	6
	LQW15AN3N4D8ZD	3.4	D: ±0.5 nH	30	0.030	10	1950	6
	LQW15AN3N4G8ZD	3.4	G: ±2%	30	0.030	10	1950	6
	LQW15AN3N5B8ZD	3.5	B: ±0.1 nH	30	0.030	10	1950	6
	LQW15AN3N5C8ZD	3.5	C: ±0.2 nH	30	0.030	10	1950	6
	LQW15AN3N5D8ZD	3.5	D: ±0.5 nH	30	0.030	10	1950	6
	LQW15AN3N5G8ZD	3.5	G: ±2%	30	0.030	10	1950	6
	L Q VV TO/LIVOTAD GOZD	0.0	J. ±∠ /0	50	0.000	10	1900	U

		Industry						
Customor	Murata		uctance	0	DC	Self-resonant	Rated	ESD
Customer Part number	Murata Part number	Nominal value (nH)	Tolerance	Q (Min.)	resistance (Ω max.)	frequency (GHz min.)	current (mA)*1	Rank 6: 25 kV
	LQW15AN3N6B8ZD	3.6	B: ±0.1 nH	30	0.030	10	1950	6
	LQW15AN3N6C8ZD	3.6	C: ±0.2 nH	30	0.030	10	1950	6
	LQW15AN3N6D8ZD	3.6	D: ±0.5 nH	30	0.030	10	1950	6
	LQW15AN3N6G8ZD	3.6	G: ±2%	30	0.030	10	1950	6
	LQW15AN3N7B8ZD	3.7	B: ±0.1 nH	35	0.030	10	1950	6
	LQW15AN3N7C8ZD	3.7	C: ±0.2 nH	35	0.030	10	1950	6
	LQW15AN3N7D8ZD	3.7	D: ±0.5 nH	35	0.030	10	1950	6
	LQW15AN3N7G8ZD	3.7	G: ±2%	35	0.030	10	1950	6
	LQW15AN3N8B8ZD	3.8	B: ±0.1 nH	35	0.030	10	1950	6
	LQW15AN3N8C8ZD	3.8	C: ±0.2 nH	35	0.030	10	1950	6
	LQW15AN3N8D8ZD	3.8	D: ±0.5 nH	35	0.030	10	1950	6
	LQW15AN3N8G8ZD	3.8	G: ±2%	35	0.030	10	1950	6
	LQW15AN3N9B8ZD	3.9	B: ±0.1 nH	35	0.030	10	1950	6
	LQW15AN3N9C8ZD	3.9	C: ±0.2 nH	35	0.030	10	1950	6
	LQW15AN3N9D8ZD	3.9	D: ±0.5 nH	35	0.030	10	1950	6
	LQW15AN3N9G8ZD	3.9	G: ±2%	35	0.030	10	1950	6
	LQW15AN4N0B8ZD	4.0	B: ±0.1 nH	30	0.030	10	1950	6
	LQW15AN4N0C8ZD	4.0	C: ±0.2 nH	30	0.030	10	1950	6
	LQW15AN4N0D8ZD	4.0	D: ±0.5 nH	30	0.030	10	1950	6
	LQW15AN4N0G8ZD	4.0	G: ±2%	30	0.030	10	1950	6
	LQW15AN4N1B8ZD	4.1	B: ±0.1 nH	30	0.044	9.6	1800	6
	LQW15AN4N1C8ZD	4.1	C: ±0.2 nH	30	0.044	9.6	1800	6
	LQW15AN4N1D8ZD	4.1	D: ±0.5 nH	30	0.044	9.6	1800	6
	LQW15AN4N1G8ZD	4.1	G: ±2%	30	0.044	9.6	1800	6
	LQW15AN4N2B8ZD	4.2	B: ±0.1 nH	30	0.044	9.6	1800	6
	LQW15AN4N2C8ZD	4.2	C: ±0.2 nH	30	0.044	9.6	1800	6
	LQW15AN4N2D8ZD	4.2	D: ±0.5 nH	30	0.044	9.6	1800	6
	LQW15AN4N2G8ZD	4.2	G: ±2%	30	0.044	9.6	1800	6
	LQW15AN4N3B8ZD	4.3	B: ±0.1 nH	32	0.044	9.6	1800	6
	LQW15AN4N3C8ZD	4.3	C: ±0.2 nH	32	0.044	9.6	1800	6
	LQW15AN4N3D8ZD	4.3	D: ±0.5 nH	32	0.044	9.6	1800	6
	LQW15AN4N3G8ZD	4.3	G: ±2%	32	0.044	9.6	1800	6
	LQW15AN4N4B8ZD	4.4	B: ±0.1 nH	34	0.052	9.6	1600	6
	LQW15AN4N4C8ZD	4.4	C: ±0.2 nH	34	0.052	9.6	1600	6
	LQW15AN4N4D8ZD	4.4	D: ±0.5 nH	34	0.052	9.6	1600	6
	LQW15AN4N4G8ZD	4.4	G: ±2%	34	0.052	9.6	1600	6
	LQW15AN4N5B8ZD	4.5	B: ±0.1 nH	34	0.060	9.6	1450	6
	LQW15AN4N5C8ZD	4.5	C: ±0.2 nH	34	0.060	9.6	1450	6
	LQW15AN4N5D8ZD	4.5	D: ±0.5 nH	34	0.060	9.6	1450	6
	LQW15AN4N5G8ZD	4.5	G: ±2%	34	0.060	9.6	1450	6
	LQW15AN4N6B8ZD	4.6	B: ±0.1 nH	32	0.060	9.6	1450	6
	LQW15AN4N6C8ZD	4.6	C: ±0.2 nH	32	0.060	9.6	1450	6
	LQW15AN4N6D8ZD	4.6	D: ±0.5 nH	32	0.060	9.6	1450	6
	LQW15AN4N6G8ZD	4.6	G: ±2%	32	0.060	9.6	1450	6
	LQW15AN4N7B8ZD	4.7	B: ±0.1 nH	31	0.071	8.0	1200	6
	LQW15AN4N7C8ZD	4.7	C: ±0.2 nH	31	0.071	8.0	1200	6

			uctance	•	DC	Self-resonant	Rated	ESD
Customer Part number	Murata Part number	Nominal value (nH)	Tolerance	Q (Min.)	resistance (Ω max.)	frequency (GHz min.)	current (mA)*1	Rank 6: 25 kV
	LQW15AN4N7D8ZD	4.7	D: ±0.5 nH	31	0.071	8.0	1200	6
	LQW15AN4N7G8ZD	4.7	G: ±2%	31	0.071	8.0	1200	6
	LQW15AN4N8B8ZD	4.8	B: ±0.1 nH	30	0.071	8.0	1200	6
	LQW15AN4N8C8ZD	4.8	C: ±0.2 nH	30	0.071	8.0	1200	6
	LQW15AN4N8D8ZD	4.8	D: ±0.5 nH	30	0.071	8.0	1200	6
	LQW15AN4N8G8ZD	4.8	G: ±2%	30	0.071	8.0	1200	6
	LQW15AN4N9B8ZD	4.9	B: ±0.1 nH	27	0.071	8.0	1200	6
	LQW15AN4N9C8ZD	4.9	C: ±0.2 nH	27	0.071	8.0	1200	6
	LQW15AN4N9D8ZD	4.9	D: ±0.5 nH	27	0.071	8.0	1200	6
	LQW15AN4N9G8ZD	4.9	G: ±2%	27	0.071	8.0	1200	6
	LQW15AN5N0B8ZD	5.0	B: ±0.1 nH	32	0.040	10.0	1770	6
	LQW15AN5N0C8ZD	5.0	C: ±0.2 nH	32	0.040	10.0	1770	6
	LQW15AN5N0D8ZD	5.0	D: ±0.5 nH	32	0.040	10.0	1770	6
	LQW15AN5N0G8ZD	5.0	G: ±2%	32	0.040	10.0	1770	6
	LQW15AN5N1B8ZD	5.1	B: ±0.1 nH	35	0.040	8.0	1770	6
	LQW15AN5N1C8ZD	5.1	C: ±0.2 nH	35	0.040	8.0	1770	6
	LQW15AN5N1D8ZD	5.1	D: ±0.5 nH	35	0.040	8.0	1770	6
	LQW15AN5N1G8ZD	5.1	G: ±2%	35	0.040	8.0	1770	6
	LQW15AN5N2B8ZD	5.2	B: ±0.1 nH	35	0.040	8.0	1770	6
	LQW15AN5N2C8ZD	5.2	C: ±0.2 nH	35	0.040	8.0	1770	6
	LQW15AN5N2D8ZD	5.2	D: ±0.5 nH	35	0.040	8.0	1770	6
	LQW15AN5N2G8ZD	5.2	G: ±2%	35	0.040	8.0	1770	6
	LQW15AN5N3B8ZD	5.3	B: ±0.1 nH	35	0.040	8.0	1770	6
	LQW15AN5N3C8ZD	5.3	C: ±0.2 nH	35	0.040	8.0	1770	6
	LQW15AN5N3D8ZD	5.3	D: ±0.5 nH	35	0.040	8.0	1770	6
	LQW15AN5N3G8ZD	5.3	G: ±2%	35	0.040	8.0	1770	6
	LQW15AN5N4B8ZD	5.4	B: ±0.1 nH	35	0.040	8.0	1770	6
	LQW15AN5N4C8ZD	5.4	C: ±0.2 nH	35	0.040	8.0	1770	6
	LQW15AN5N4D8ZD	5.4	D: ±0.5 nH	35	0.040	8.0	1770	6
	LQW15AN5N4G8ZD	5.4	G: ±2%	35	0.040	8.0	1770	6
	LQW15AN5N5B8ZD	5.5	B: ±0.1 nH	35	0.040	8.0	1770	6
	LQW15AN5N5C8ZD	5.5	C: ±0.2 nH	35	0.040	8.0	1770	6
	LQW15AN5N5D8ZD	5.5	D: ±0.5 nH	35	0.040	8.0	1770	6
	LQW15AN5N5G8ZD	5.5	G: ±2%	35	0.040	8.0	1770	6
	LQW15AN5N6B8ZD	5.6	B: ±0.1 nH	35	0.040	8.0	1770	6
	LQW15AN5N6C8ZD	5.6	C: ±0.2 nH	35	0.040	8.0	1770	6
	LQW15AN5N6D8ZD	5.6	D: ±0.5 nH	35	0.040	8.0	1770	6
	LQW15AN5N6G8ZD	5.6	G: ±2%	35	0.040	8.0	1770	6
	LQW15AN5N7B8ZD	5.7	B: ±0.1 nH	30	0.040	8.0	1770	6
	LQW15AN5N7C8ZD	5.7	C: ±0.2 nH	30	0.040	8.0	1770	6
	LQW15AN5N7D8ZD	5.7	D: ±0.5 nH	30	0.040	8.0	1770	6
	LQW15AN5N7G8ZD	5.7	G: ±2%	30	0.040	8.0	1770	6
	LQW15AN5N8B8ZD	5.8	B: ±0.1 nH	30	0.040	8.0	1770	6
	LQW15AN5N8C8ZD	5.8	C: ±0.2 nH	30	0.040	8.0	1770	6
	LQW15AN5N8D8ZD	5.8	D: ±0.5 nH	30	0.040	8.0	1770	6
	LQW15AN5N8G8ZD	5.8	G: ±2%	30	0.040	8.0	1770	6

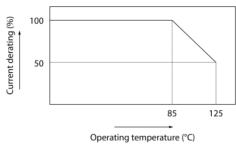
		Industria						
			uctance	0	DC	Self-resonant	Rated	ESD
Customer Part number	Murata Part number	Nominal value (nH)	Tolerance	Q (Min.)	resistance (Ω max.)	frequency (GHz min.)	current (mA)*1	Rank 6: 25 kV
	LQW15AN5N9B8ZD	5.9	B: ±0.1 nH	30	0.040	8.0	1770	6
	LQW15AN5N9C8ZD	5.9	C: ±0.2 nH	30	0.040	8.0	1770	6
	LQW15AN5N9D8ZD	5.9	D: ±0.5 nH	30	0.040	8.0	1770	6
	LQW15AN5N9G8ZD	5.9	G: ±2%	30	0.040	8.0	1770	6
	LQW15AN6N0B8ZD	6.0	B: ±0.1 nH	32	0.056	8.0	1600	6
	LQW15AN6N0C8ZD	6.0	C: ±0.2 nH	32	0.056	8.0	1600	6
	LQW15AN6N0D8ZD	6.0	D: ±0.5 nH	32	0.056	8.0	1600	6
	LQW15AN6N0G8ZD	6.0	G: ±2%	32	0.056	8.0	1600	6
	LQW15AN6N1B8ZD	6.1	B: ±0.1 nH	32	0.056	8.0	1600	6
	LQW15AN6N1C8ZD	6.1	C: ±0.2 nH	32	0.056	8.0	1600	6
	LQW15AN6N1D8ZD	6.1	D: ±0.5 nH	32	0.056	8.0	1600	6
	LQW15AN6N1G8ZD	6.1	G: ±2%	32	0.056	8.0	1600	6
	LQW15AN6N2B8ZD	6.2	B: ±0.1 nH	33	0.056	8.0	1600	6
	LQW15AN6N2C8ZD	6.2	C: ±0.2 nH	33	0.056	8.0	1600	6
	LQW15AN6N2D8ZD	6.2	D: ±0.5 nH	33	0.056	8.0	1600	6
	LQW15AN6N2G8ZD	6.2	G: ±2%	33	0.056	8.0	1600	6
	LQW15AN6N3G8ZD	6.3	G: ±2%	32	0.057	7.8	1600	6
	LQW15AN6N3J8ZD	6.3	J: ±5%	32	0.057	7.8	1600	6
	LQW15AN6N4G8ZD	6.4	G: ±2%	33	0.065	7.0	1380	6
	LQW15AN6N4J8ZD	6.4	J: ±5%	33	0.065	7.0	1380	6
	LQW15AN6N5G8ZD	6.5	G: ±2%	32	0.065	7.0	1380	6
	LQW15AN6N5J8ZD	6.5	J: ±5%	32	0.065	7.0	1380	6
	LQW15AN6N6G8ZD	6.6	G: ±2%	30	0.078	7.0	1280	6
	LQW15AN6N6J8ZD	6.6	J: ±5%	30	0.078	7.0	1280	6
	LQW15AN6N7G8ZD	6.7	G: ±2%	30	0.078	7.0	1280	6
	LQW15AN6N7J8ZD	6.7	J: ±5%	30	0.078	7.0	1280	6
	LQW15AN6N8G8ZD	6.8	G: ±2%	30	0.068	7.0	1450	6
	LQW15AN6N8J8ZD	6.8	J: ±5%	30	0.068	7.0	1450	6
	LQW15AN6N9G8ZD	6.9	G: ±2%	32	0.069	8.5	1420	6
	LQW15AN6N9J8ZD	6.9	J: ±5%	32	0.069	8.5	1420	6
	LQW15AN7N0G8ZD	7.0	G: ±2%	33	0.069	8.0	1420	6
	LQW15AN7N0J8ZD	7.0	J: ±5%	33	0.069	8.0	1420	6
	LQW15AN7N1G8ZD	7.1	G: ±2%	32	0.069	7.0	1420	6
	LQW15AN7N1J8ZD	7.1	J: ±5%	32	0.069	7.0	1420	6
	LQW15AN7N2G8ZD	7.2	G: ±2%	32	0.050	7.0	1700	6
	LQW15AN7N2J8ZD	7.2	J: ±5%	32	0.050	7.0	1700	6
	LQW15AN7N3G8ZD	7.3	G: ±2%	32	0.050	7.0	1700	6
	LQW15AN7N3J8ZD	7.3	J: ±5%	32	0.050	7.0	1700	6
	LQW15AN7N4G8ZD	7.4	G: ±2%	30	0.050	7.0	1700	6
	LQW15AN7N4J8ZD	7.4	J: ±5%	30	0.050	7.0	1700	6
	LQW15AN7N5G8ZD	7.5	G: ±2%	35	0.050	7.0	1700	6
	LQW15AN7N5J8ZD	7.5	J: ±5%	35	0.050	7.0	1700	6
	LQW15AN7N6G8ZD	7.6	G: ±2%	30	0.050	7.0	1700	6
	LQW15AN7N6J8ZD	7.6	J: ±5%	30	0.050	7.0	1700	6
	LQW15AN7N7G8ZD	7.7	G: ±2%	30	0.050	7.0	1700	6
	LQW15AN7N7J8ZD	7.7	J: ±5%	30	0.050	7.0	1700	6

Customer Part number	10 0LL1 2+0/1_0								
Part number	Customer	Murata		ıctance		DC		Rated	
LQW15AN7NBJ8ZD 7.8 J.±5% 30 0.050 7.0 1700 6			value	Tolerance					
LQW15ANRN9G8ZD 7.9 G. ±2% 30 0.050 7.0 1700 6 LQW15ANRN9J8ZD 7.9 J. ±5% 30 0.050 7.0 1700 6 LQW15ANRN0J8ZD 8.0 G. ±2% 30 0.050 7.0 1700 6 LQW15ANRN0J8ZD 8.1 G. ±2% 32 0.069 6.5 1500 6 LQW15ANRN1G8ZD 8.1 G. ±2% 32 0.069 6.5 1500 6 LQW15ANRN1G8ZD 8.1 G. ±2% 32 0.069 6.5 1500 6 LQW15ANRN1G8ZD 8.2 G. ±2% 32 0.069 6.5 1500 6 LQW15ANRN1G8ZD 8.2 G. ±2% 32 0.069 6.5 1500 6 LQW15ANRN1G8ZD 8.2 G. ±2% 32 0.069 6.5 1500 6 LQW15ANRN1G8ZD 8.3 G. ±2% 32 0.069 6.5 1500 6 LQW15ANRN1G8ZD 8.3 G. ±2% 32 0.069 6.5 1500 6 LQW15ANRN1G8ZD 8.3 G. ±2% 32 0.069 6.5 1500 6 LQW15ANRN1G8ZD 8.4 G. ±2% 32 0.069 6.5 1500 6 LQW15ANRN1G8ZD 8.4 G. ±2% 32 0.069 6.5 1500 6 LQW15ANRN1G8ZD 8.4 G. ±2% 32 0.069 6.5 1500 6 LQW15ANRN1G8ZD 8.5 G. ±2% 32 0.069 6.5 1500 6 LQW15ANRN1G8ZD 8.5 G. ±2% 32 0.069 6.5 1500 6 LQW15ANRN1G8ZD 8.5 G. ±2% 32 0.069 6.5 1500 6 LQW15ANRN1G6ZD 8.6 G. ±2% 32 0.069 6.5 1500 6 LQW15ANRN1G6ZD 8.6 G. ±2% 31 0.070 6.5 1420 6 LQW15ANRN1G6ZD 8.6 G. ±2% 31 0.070 6.5 1420 6 LQW15ANRN1G6ZD 8.7 G. ±2% 31 0.070 6.5 1420 6 LQW15ANRN1G6ZD 8.7 G. ±2% 31 0.070 6.5 1420 6 LQW15ANRN1G6ZD 8.7 G. ±2% 31 0.070 6.5 1420 6 LQW15ANRN1G6ZD 8.7 G. ±2% 31 0.070 6.5 1420 6 LQW15ANRN1G6ZD 8.7 G. ±2% 31 0.070 6.5 1420 6 LQW15ANRN1G6ZD 8.7 G. ±2% 31 0.070 6.5 1420 6 LQW15ANRN1G6ZD 8.9 G. ±2% 31 0.070 6.5 1420 6 LQW15ANRN1G6ZD 9.0 J. ±5% 31 0.070 6.5 1420 6 LQW15ANRN1G6ZD 9.0 J. ±5% 31 0.070 6.5 1420 6 LQW15ANRN1G6ZD 9.0 J. ±5% 31 0.070 6.5 1420 6 LQW15ANRN1G6ZD 9.0 J. ±5% 31 0.070 6.5 1420 6 LQW15ANRN1G6ZD 9.0 J. ±5% 32 0.081 6.0 1400 6		LQW15AN7N8G8ZD	7.8	G: ±2%	30	0.050	7.0	1700	6
LQW15ANRNJ8ZD		LQW15AN7N8J8ZD	7.8	J: ±5%	30	0.050	7.0	1700	6
LQW15AN8N0G8ZD		LQW15AN7N9G8ZD	7.9	G: ±2%	30	0.050	7.0	1700	6
LQW15AN8NOJBZD		LQW15AN7N9J8ZD	7.9	J: ±5%	30	0.050	7.0	1700	6
LQW15AN8N1G8ZD		LQW15AN8N0G8ZD	8.0	G: ±2%	30	0.050	7.0	1700	6
LQW15AN8N1J8ZD		LQW15AN8N0J8ZD	8.0	J: ±5%	30	0.050	7.0	1700	6
LQW15AN8N2G8ZD 8.2 G: ±2% 32 0.069 6.5 1500 6 LQW15AN8N2J8ZD 8.3 J: ±5% 32 0.069 6.5 1500 6 LQW15AN8N3J6ZD 8.3 G: ±2% 32 0.069 6.5 1500 6 LQW15AN8N3J6ZD 8.3 J: ±5% 32 0.069 6.5 1500 6 LQW15AN8N3J6ZD 8.4 G: ±2% 32 0.069 6.5 1500 6 LQW15AN8N4J8ZD 8.4 J: ±5% 32 0.069 6.5 1500 6 LQW15AN8N4J8ZD 8.4 J: ±5% 32 0.069 6.5 1500 6 LQW15AN8N4J8ZD 8.5 G: ±2% 32 0.069 6.5 1500 6 LQW15AN8N5G8ZD 8.5 G: ±2% 32 0.069 6.5 1500 6 LQW15AN8N5J8ZD 8.5 J: ±5% 32 0.069 6.5 1500 6 LQW15AN8N5J8ZD 8.6 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N6J8ZD 8.6 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8N7G8ZD 8.7 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N7J8ZD 8.7 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8NJ8ZD 8.8 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8NSJ8ZD 8.8 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8NJ8ZD 8.8 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8NJ8ZD 8.8 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8NJ8ZD 8.9 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8NJ8ZD 8.9 J: ±5% 31 0.070 6.5 1420 6 LQW15ANSNJ8ZD 8.9 J: ±5% 31 0.070 6.5 1420 6 LQW15ANSNJ8ZD 8.9 J: ±5% 31 0.070 6.5 1420 6 LQW15ANSNJ8ZD 9.0 G: ±2% 30 0.070 6.5 1420 6 LQW15ANSNJ8ZD 9.0 G: ±2% 30 0.070 6.5 1420 6 LQW15ANSNJ8ZD 9.1 G: ±2% 32 0.080 6.5 1400 6 LQW15ANSNJ8ZD 9.1 G: ±2% 32 0.081 6.0 1400 6 LQW15ANSNJ8ZD 9.2 J: ±5% 32 0.081 6.0 1400 6 LQW15ANSNJ8ZD 9.3 G: ±2% 32 0.081 6.0 1400 6 LQW15ANSNJSZD 9.5 G: ±2% 32 0.081 6.0 1400 6 LQW15ANSNJSZD 9.5 G: ±2% 33 0.081 6.0 1400 6 LQW15ANSNJSZD 9.6 J: ±5% 33 0.081 6.0 1400 6 LQW15ANSNJSZD 9.7 J: ±5% 33 0.081 6.0 1400 6 LQW15ANSNJSZD		LQW15AN8N1G8ZD	8.1	G: ±2%	32	0.069	6.5	1500	6
LQW15AN8N2J8ZD 8.2 J:±5% 32 0.069 6.5 1500 6 LQW15AN8N3G8ZD 8.3 G:±2% 32 0.069 6.5 1500 6 LQW15AN8N4J8ZD 8.4 G:±2% 32 0.069 6.5 1500 6 LQW15AN8N4J6ZD 8.4 J:±5% 32 0.069 6.5 1500 6 LQW15AN8N4J6ZD 8.4 J:±5% 32 0.069 6.5 1500 6 LQW15AN8N5G8ZD 8.5 G:±2% 32 0.069 6.5 1500 6 LQW15AN8N6G8ZD 8.6 G:±2% 32 0.069 6.5 1500 6 LQW15AN8N6G8ZD 8.6 G:±2% 31 0.070 6.5 1420 6 LQW15AN8N6G8ZD 8.6 G:±2% 31 0.070 6.5 1420 6 LQW15AN8NJ8ZD 8.7 J:±5% 31 0.070 6.5 1420 6 LQW15AN8NJ8ZD		LQW15AN8N1J8ZD	8.1	J: ±5%	32	0.069	6.5	1500	6
LQW15AN8N3G8ZD 8.3 G; ±2% 32 0.069 6.5 1500 6 LQW15AN8N4G8ZD 8.4 G; ±2% 32 0.069 6.5 1500 6 LQW15AN8N4G8ZD 8.4 G; ±2% 32 0.069 6.5 1500 6 LQW15AN8N4G8ZD 8.5 G; ±2% 32 0.069 6.5 1500 6 LQW15AN8N5G8ZD 8.5 G; ±2% 32 0.069 6.5 1500 6 LQW15AN8N5J8ZD 8.5 J; ±5% 32 0.069 6.5 1500 6 LQW15AN8N5J8ZD 8.5 J; ±5% 32 0.069 6.5 1500 6 LQW15AN8N5J8ZD 8.6 G; ±2% 31 0.070 6.5 1420 6 LQW15AN8N7G8ZD 8.6 G; ±2% 31 0.070 6.5 1420 6 LQW15AN8N7J8ZD 8.7 G; ±2% 31 0.070 6.5 1420 6 LQW15AN8N7J8ZD 8.7 J; ±5% 31 0.070 6.5 1420 6 LQW15AN8NJ8ZD 8.8 G; ±2% 31 0.070 6.5 1420 6 LQW15AN8NJ8ZD 8.8 G; ±2% 31 0.070 6.5 1420 6 LQW15AN8NJ8ZD 8.8 G; ±2% 31 0.070 6.5 1420 6 LQW15AN8N9G8ZD 8.9 G; ±2% 31 0.070 6.5 1420 6 LQW15AN8N9G8ZD 8.9 G; ±2% 31 0.070 6.5 1420 6 LQW15AN8N9G8ZD 8.9 J; ±5% 31 0.070 6.5 1420 6 LQW15AN8N9G8ZD 8.9 J; ±5% 31 0.070 6.5 1420 6 LQW15AN8N9G8ZD 9.0 G; ±2% 30 0.070 6.5 1420 6 LQW15AN9N1G8ZD 9.0 J; ±5% 30 0.070 6.5 1420 6 LQW15AN9N1G8ZD 9.0 J; ±5% 30 0.070 6.5 1420 6 LQW15AN9N1G8ZD 9.1 G; ±2% 32 0.080 6.5 1400 6 LQW15AN9N1G8ZD 9.2 G; ±2% 32 0.081 6.0 1400 6 LQW15AN9N1G8ZD 9.1 J; ±5% 32 0.081 6.0 1400 6 LQW15AN9N1G8ZD 9.4 G; ±2% 33 0.081 6.0 1400 6 LQW15AN9N1G8ZD 9.5 G; ±2% 32 0.081 6.0 1400 6 LQW15AN9N1G8ZD 9.5 G; ±2% 32 0.081 6.0 1400 6 LQW15AN9N1G8ZD 9.6 G; ±2% 33 0.081 6.0 1400 6 LQW15AN9N1G8ZD 9.6 G; ±2% 33 0.081 6.0 1400 6 LQW15AN9N1G8ZD 9.6 G; ±2% 33 0.081 6.0 1400 6 LQW15AN9N1G8ZD 9.6 G; ±2% 33 0.081 6.0 1400 6 LQW15AN9N1G8ZD 9.8 G; ±2% 33 0.081 6.0 1400 6		LQW15AN8N2G8ZD	8.2	G: ±2%	32	0.069	6.5	1500	6
LQW15AN8N3J8ZD 8.3 J:±5% 32 0.069 6.5 1500 6 LQW15AN8N4J8ZD 8.4 G:±2% 32 0.069 6.5 1500 6 LQW15AN8N4J8ZD 8.4 J:±5% 32 0.069 6.5 1500 6 LQW15AN8N5J8ZD 8.5 G:±2% 32 0.069 6.5 1500 6 LQW15AN8N5J8ZD 8.5 J:±5% 32 0.069 6.5 1500 6 LQW15AN8NGBZD 8.6 G:±2% 31 0.070 6.5 1420 6 LQW15AN8NGBZD 8.6 J:±5% 31 0.070 6.5 1420 6 LQW15AN8NGBZD 8.7 G:±2% 31 0.070 6.5 1420 6 LQW15AN8NGBZD 8.8 G:±2% 31 0.070 6.5 1420 6 LQW15AN8NGBZD 8.9 G:±2% 31 0.070 6.5 1420 6 LQW15AN8NGBZD <		LQW15AN8N2J8ZD	8.2	J: ±5%	32	0.069	6.5	1500	6
LQW15AN8N4G8ZD 8.4 G: ±2% 32 0.069 6.5 1500 6 LQW15AN8N4J8ZD 8.4 J: ±5% 32 0.069 6.5 1500 6 LQW15AN8NSG8ZD 8.5 G: ±2% 32 0.069 6.5 1500 6 LQW15AN8NGBZD 8.6 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8NGJ8ZD 8.6 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8NGJ8ZD 8.6 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8NGJ8ZD 8.7 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8NGJ8ZD 8.8 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8NGJ8ZD 8.8 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8NGJ8ZD 8.9 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8NGJ8ZD		LQW15AN8N3G8ZD	8.3	G: ±2%	32	0.069	6.5	1500	6
LQW15AN8N4J8ZD		LQW15AN8N3J8ZD	8.3	J: ±5%	32	0.069	6.5	1500	6
LQW15AN8N5G8ZD 8.5 G: ±2% 32 0.069 6.5 1500 6 LQW15AN8N5J8ZD 8.5 J: ±5% 32 0.069 6.5 1500 6 LQW15AN8N6G8ZD 8.6 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N7G8ZD 8.7 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N7J8ZD 8.7 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N7J8ZD 8.7 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N8G8ZD 8.8 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8NBJ8ZD 8.8 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8NBJ8ZD 8.9 J: ±5% 31 0.070 6.5 1420 6 LQW15AN9N0J8ZD 9.0 G: ±2% 30 0.070 6.5 1420 6 LQW15AN9N1G8		LQW15AN8N4G8ZD	8.4	G: ±2%	32	0.069	6.5	1500	6
LQW15AN8N5J8ZD 8.5 J: ±5% 32 0.069 6.5 1500 6 LQW15AN8N6G8ZD 8.6 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N5JBZD 8.6 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8N7JBZD 8.7 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8NBABZD 8.8 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8NBBGZD 8.8 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8NBBGZD 8.8 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8NBGBZD 8.9 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8NBGBZD 8.9 J: ±5% 31 0.070 6.5 1420 6 LQW15AN9NDGBZD 9.0 G: ±2% 30 0.070 6.5 1420 6 LQW15AN9N1JBZ		LQW15AN8N4J8ZD	8.4	J: ±5%	32	0.069	6.5	1500	6
LQW15AN8N6G8ZD 8.6 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N6J8ZD 8.6 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8N7G8ZD 8.7 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N7J8ZD 8.7 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8NB8G8ZD 8.8 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8NBBZD 8.8 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8NBJ8ZD 8.9 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8NBJ8ZD 8.9 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8NGJ8ZD 9.0 J: ±5% 30 0.070 6.5 1420 6 LQW15AN9NJBZD 9.0 J: ±5% 30 0.070 6.5 1420 6 LQW15AN9N1JBZD		LQW15AN8N5G8ZD	8.5	G: ±2%	32	0.069	6.5	1500	6
LQW15AN8N6J8ZD 8.6 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8N7G8ZD 8.7 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N7J8ZD 8.7 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8N8G8ZD 8.8 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N9B3ZD 8.8 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8N9B3ZD 8.9 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N9B3ZD 8.9 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N9L3ZD 9.0 G: ±2% 30 0.070 6.5 1420 6 LQW15AN9N0J8ZD 9.0 J: ±5% 30 0.070 6.5 1420 6 LQW15AN9N1J8ZD 9.1 J: ±5% 32 0.080 6.5 1400 6 LQW15AN9N2J8Z		LQW15AN8N5J8ZD	8.5	J: ±5%	32	0.069	6.5	1500	6
LQW15AN8N7G8ZD 8.7 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N7J8ZD 8.7 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8N8BG8ZD 8.8 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N9G8ZD 8.8 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8N9G8ZD 8.9 J: ±5% 31 0.070 6.5 1420 6 LQW15AN9N9BZD 8.9 J: ±5% 31 0.070 6.5 1420 6 LQW15AN9N0G8ZD 9.0 G: ±2% 30 0.070 6.5 1420 6 LQW15AN9N0J8ZD 9.0 J: ±5% 30 0.070 6.5 1420 6 LQW15AN9N1J8ZD 9.1 J: ±5% 30 0.070 6.5 1420 6 LQW15AN9N1J8ZD 9.1 J: ±5% 32 0.080 6.5 1400 6 LQW15AN9N2J8Z		LQW15AN8N6G8ZD	8.6	G: ±2%	31	0.070	6.5	1420	6
LQW15AN8N7J8ZD 8.7 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8N8G8ZD 8.8 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N8J8ZD 8.8 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8N9G8ZD 8.9 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N9J8ZD 8.9 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8N9J8ZD 8.9 J: ±5% 31 0.070 6.5 1420 6 LQW15AN9N0G8ZD 9.0 G: ±2% 30 0.070 6.5 1420 6 LQW15AN9NJBZD 9.0 J: ±5% 32 0.080 6.5 1400 6 LQW15AN9N1J8ZD 9.1 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N2J8ZD 9.2 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N3J8ZD		LQW15AN8N6J8ZD	8.6	J: ±5%	31	0.070	6.5	1420	6
LQW15AN8N8G8ZD 8.8 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N8J8ZD 8.8 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8N9G8ZD 8.9 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N9J8ZD 8.9 J: ±5% 31 0.070 6.5 1420 6 LQW15AN9N0G8ZD 9.0 G: ±2% 30 0.070 6.5 1420 6 LQW15AN9N0J8ZD 9.0 J: ±5% 30 0.070 6.5 1420 6 LQW15AN9N0J8ZD 9.0 J: ±5% 30 0.070 6.5 1420 6 LQW15AN9N1J8ZD 9.1 G: ±2% 32 0.080 6.5 1400 6 LQW15AN9N1J8ZD 9.1 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N3D8ZD 9.2 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N3J8Z		LQW15AN8N7G8ZD	8.7	G: ±2%	31	0.070	6.5	1420	6
LQW15AN8N8J8ZD 8.8 J: ±5% 31 0.070 6.5 1420 6 LQW15AN8N9G8ZD 8.9 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N9J8ZD 8.9 J: ±5% 31 0.070 6.5 1420 6 LQW15AN9N0G8ZD 9.0 G: ±2% 30 0.070 6.5 1420 6 LQW15AN9N0J8ZD 9.0 J: ±5% 30 0.070 6.5 1420 6 LQW15AN9N0J8ZD 9.0 J: ±5% 30 0.070 6.5 1420 6 LQW15AN9N1J8ZD 9.1 G: ±2% 32 0.080 6.5 1400 6 LQW15AN9N1J8ZD 9.1 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N2G8ZD 9.2 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N3G8ZD 9.3 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N4J8Z		LQW15AN8N7J8ZD	8.7	J: ±5%	31	0.070	6.5	1420	6
LQW15AN8N9G8ZD 8.9 G: ±2% 31 0.070 6.5 1420 6 LQW15AN8N9J8ZD 8.9 J: ±5% 31 0.070 6.5 1420 6 LQW15AN9N0G8ZD 9.0 G: ±2% 30 0.070 6.5 1420 6 LQW15AN9N0J8ZD 9.0 J: ±5% 30 0.070 6.5 1420 6 LQW15AN9N1G8ZD 9.1 G: ±2% 32 0.080 6.5 1400 6 LQW15AN9N1J8ZD 9.1 J: ±5% 32 0.080 6.5 1400 6 LQW15AN9N2G8ZD 9.2 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N2J8ZD 9.2 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.3 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.3 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N4J8ZD 9.4 G: ±2% 33 0.081 6.0 1400 6		LQW15AN8N8G8ZD	8.8	G: ±2%	31	0.070	6.5	1420	6
LQW15AN8N9J8ZD 8.9 J:±5% 31 0.070 6.5 1420 6 LQW15AN9N0G8ZD 9.0 G:±2% 30 0.070 6.5 1420 6 LQW15AN9N1G8ZD 9.0 J:±5% 30 0.070 6.5 1420 6 LQW15AN9N1G8ZD 9.1 G:±2% 32 0.080 6.5 1400 6 LQW15AN9N1J8ZD 9.1 J:±5% 32 0.080 6.5 1400 6 LQW15AN9N2G8ZD 9.2 G:±2% 32 0.081 6.0 1400 6 LQW15AN9N3G8ZD 9.2 J:±5% 32 0.081 6.0 1400 6 LQW15AN9N3G8ZD 9.3 G:±2% 34 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.3 J:±5% 34 0.081 6.0 1400 6 LQW15AN9N4G8ZD 9.4 G:±2% 33 0.081 6.0 1400 6 LQW15AN9N5G8ZD 9.5 G:±2% 32 0.081 6.0 1400 6		LQW15AN8N8J8ZD	8.8	J: ±5%	31	0.070	6.5	1420	6
LQW15AN9N0G8ZD 9.0 G: ±2% 30 0.070 6.5 1420 6 LQW15AN9N0J8ZD 9.0 J: ±5% 30 0.070 6.5 1420 6 LQW15AN9N1G8ZD 9.1 G: ±2% 32 0.080 6.5 1400 6 LQW15AN9N1J8ZD 9.1 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N2G8ZD 9.2 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N2J8ZD 9.2 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.3 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.3 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.3 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N4G8ZD 9.4 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N5G8ZD 9.5 G: ±2% 32 0.081 6.0 1400 6		LQW15AN8N9G8ZD	8.9	G: ±2%	31	0.070	6.5	1420	6
LQW15AN9N0J8ZD 9.0 J: ±5% 30 0.070 6.5 1420 6 LQW15AN9N1G8ZD 9.1 G: ±2% 32 0.080 6.5 1400 6 LQW15AN9N1J8ZD 9.1 J: ±5% 32 0.080 6.5 1400 6 LQW15AN9N2G8ZD 9.2 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N2J8ZD 9.2 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N3G8ZD 9.3 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.3 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.3 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N4G8ZD 9.4 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N4J8ZD 9.5 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N5J8ZD 9.6 G: ±2% 33 0.081 6.0 1400 6		LQW15AN8N9J8ZD	8.9	J: ±5%	31	0.070	6.5	1420	6
LQW15AN9N1G8ZD 9.1 G: ±2% 32 0.080 6.5 1400 6 LQW15AN9N1J8ZD 9.1 J: ±5% 32 0.080 6.5 1400 6 LQW15AN9N2G8ZD 9.2 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N2J8ZD 9.2 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.3 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.3 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.3 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N4G8ZD 9.4 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N5G8ZD 9.5 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N6G8ZD 9.6 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N6G8ZD 9.6 G: ±2% 33 0.081 6.0 1400 6		LQW15AN9N0G8ZD	9.0	G: ±2%	30	0.070	6.5	1420	6
LQW15AN9N1J8ZD 9.1 J: ±5% 32 0.080 6.5 1400 6 LQW15AN9N2G8ZD 9.2 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N2J8ZD 9.2 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N3G8ZD 9.3 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.3 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.3 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N4G8ZD 9.4 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N4J8ZD 9.4 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N5G8ZD 9.5 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N6G8ZD 9.6 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N7J8ZD 9.7 G: ±2% 33 0.081 6.0 1400 6		LQW15AN9N0J8ZD	9.0	J: ±5%	30	0.070	6.5	1420	6
LQW15AN9N2G8ZD 9.2 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N2J8ZD 9.2 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N3G8ZD 9.3 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.3 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.4 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N4J8ZD 9.4 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N5G8ZD 9.5 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N5J8ZD 9.5 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N6G8ZD 9.6 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N7G8ZD 9.6 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N7J8ZD 9.7 G: ±2% 33 0.081 6.0 1400 6		LQW15AN9N1G8ZD	9.1	G: ±2%	32	0.080	6.5	1400	6
LQW15AN9N2J8ZD 9.2 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N3G8ZD 9.3 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.3 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N4G8ZD 9.4 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N4J8ZD 9.4 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N5G8ZD 9.5 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N5J8ZD 9.5 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N6G8ZD 9.6 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N6J8ZD 9.6 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N7J8ZD 9.7 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N8J8ZD 9.8 G: ±2% 34 0.081 6.0 1400 6		LQW15AN9N1J8ZD	9.1	J: ±5%	32	0.080	6.5	1400	6
LQW15AN9N3G8ZD 9.3 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N3J8ZD 9.3 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N4G8ZD 9.4 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N4J8ZD 9.4 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N5G8ZD 9.5 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N5J8ZD 9.5 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N6G8ZD 9.6 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N6J8ZD 9.6 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N7G8ZD 9.7 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N8G8ZD 9.8 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N8J8ZD 9.8 G: ±2% 34 0.081 6.0 1400 6		LQW15AN9N2G8ZD	9.2	G: ±2%	32	0.081	6.0	1400	6
LQW15AN9N3J8ZD 9.3 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N4G8ZD 9.4 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N4J8ZD 9.4 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N5G8ZD 9.5 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N5J8ZD 9.5 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N6G8ZD 9.6 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N6J8ZD 9.6 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N7G8ZD 9.7 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N7J8ZD 9.7 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N8G8ZD 9.8 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N8J8ZD 9.8 J: ±5% 34 0.081 6.0 1400 6		LQW15AN9N2J8ZD	9.2	J: ±5%	32	0.081	6.0	1400	6
LQW15AN9N4G8ZD 9.4 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N4J8ZD 9.4 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N5G8ZD 9.5 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N5J8ZD 9.5 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N6G8ZD 9.6 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N6J8ZD 9.6 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N7G8ZD 9.7 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N7J8ZD 9.7 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N8G8ZD 9.8 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N9JBZD 9.8 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N9JBZD 9.9 G: ±2% 32 0.081 6.0 1400 6		LQW15AN9N3G8ZD	9.3	G: ±2%	34	0.081	6.0	1400	6
LQW15AN9N4J8ZD 9.4 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N5G8ZD 9.5 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N5J8ZD 9.5 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N6G8ZD 9.6 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N6J8ZD 9.6 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N7G8ZD 9.7 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N8G8ZD 9.7 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N8G8ZD 9.8 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N9G8ZD 9.8 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N9G8ZD 9.9 G: ±2% 32 0.081 6.0 1400 6		LQW15AN9N3J8ZD	9.3	J: ±5%	34	0.081	6.0	1400	6
LQW15AN9N5G8ZD 9.5 G: ±2% 32 0.081 6.0 1400 6 LQW15AN9N5J8ZD 9.5 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N6G8ZD 9.6 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N6J8ZD 9.6 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N7G8ZD 9.7 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N7J8ZD 9.7 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N8G8ZD 9.8 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N9G8ZD 9.8 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N9G8ZD 9.9 G: ±2% 32 0.081 6.0 1400 6		LQW15AN9N4G8ZD	9.4	G: ±2%	33	0.081	6.0	1400	6
LQW15AN9N5J8ZD 9.5 J: ±5% 32 0.081 6.0 1400 6 LQW15AN9N6G8ZD 9.6 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N6J8ZD 9.6 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N7G8ZD 9.7 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N7J8ZD 9.7 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N8G8ZD 9.8 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N8J8ZD 9.8 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N9G8ZD 9.9 G: ±2% 32 0.081 6.0 1400 6		LQW15AN9N4J8ZD	9.4	J: ±5%	33	0.081	6.0	1400	6
LQW15AN9N6G8ZD 9.6 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N6J8ZD 9.6 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N7G8ZD 9.7 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N7J8ZD 9.7 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N8G8ZD 9.8 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N9G8ZD 9.8 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N9G8ZD 9.9 G: ±2% 32 0.081 6.0 1400 6		LQW15AN9N5G8ZD	9.5	G: ±2%	32	0.081	6.0	1400	6
LQW15AN9N6J8ZD 9.6 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N7G8ZD 9.7 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N7J8ZD 9.7 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N8G8ZD 9.8 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N8J8ZD 9.8 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N9G8ZD 9.9 G: ±2% 32 0.081 6.0 1400 6		LQW15AN9N5J8ZD	9.5	J: ±5%	32	0.081	6.0	1400	6
LQW15AN9N7G8ZD 9.7 G: ±2% 33 0.081 6.0 1400 6 LQW15AN9N7J8ZD 9.7 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N8G8ZD 9.8 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N8J8ZD 9.8 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N9G8ZD 9.9 G: ±2% 32 0.081 6.0 1400 6		LQW15AN9N6G8ZD	9.6	G: ±2%	33	0.081	6.0	1400	6
LQW15AN9N7J8ZD 9.7 J: ±5% 33 0.081 6.0 1400 6 LQW15AN9N8G8ZD 9.8 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N8J8ZD 9.8 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N9G8ZD 9.9 G: ±2% 32 0.081 6.0 1400 6		LQW15AN9N6J8ZD	9.6	J: ±5%	33	0.081	6.0	1400	6
LQW15AN9N8G8ZD 9.8 G: ±2% 34 0.081 6.0 1400 6 LQW15AN9N8J8ZD 9.8 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N9G8ZD 9.9 G: ±2% 32 0.081 6.0 1400 6		LQW15AN9N7G8ZD	9.7	G: ±2%	33	0.081	6.0	1400	6
LQW15AN9N8J8ZD 9.8 J: ±5% 34 0.081 6.0 1400 6 LQW15AN9N9G8ZD 9.9 G: ±2% 32 0.081 6.0 1400 6		LQW15AN9N7J8ZD	9.7	J: ±5%	33	0.081	6.0	1400	6
LQW15AN9N9G8ZD 9.9 G: ±2% 32 0.081 6.0 1400 6		LQW15AN9N8G8ZD	9.8	G: ±2%	34	0.081	6.0	1400	6
		LQW15AN9N8J8ZD	9.8	J: ±5%	34	0.081	6.0	1400	6
LQW15AN9N9J8ZD 9.9 J: ±5% 32 0.081 6.0 1400 6		LQW15AN9N9G8ZD	9.9	G: ±2%	32	0.081	6.0	1400	6
		LQW15AN9N9J8ZD	9.9	J: ±5%	32	0.081	6.0	1400	6
LQW15AN10NG8ZD 10 G: ±2% 31 0.081 6.0 1400 6		LQW15AN10NG8ZD	10	G: ±2%	31	0.081	6.0	1400	6
LQW15AN10NJ8ZD 10 J: ±5% 31 0.081 6.0 1400 6		LQW15AN10NJ8ZD	10	J: ±5%	31	0.081	6.0	1400	6

		Inductance						
Customer	Murata		ıctance	Q	DC	Self-resonant	Rated	ESD
Part number	Part number	Nominal value (nH)	Tolerance	(Min.)	resistance (Ω max.)	frequency (GHz min.)	current (mA)*1	Rank 6: 25 kV
	LQW15AN11NG8ZD	11	G: ±2%	32	0.083	6.2	1400	6
	LQW15AN11NJ8ZD	11	J: ±5%	32	0.083	6.2	1400	6
	LQW15AN12NG8ZD	12	G: ±2%	30	0.093	5.2	1240	6
	LQW15AN12NJ8ZD	12	J: ±5%	30	0.093	5.2	1240	6
	LQW15AN13NG8ZD	13	G: ±2%	30	0.093	5.2	1240	6
	LQW15AN13NJ8ZD	13	J: ±5%	30	0.093	5.2	1240	6
	LQW15AN14NG8ZD	14	G: ±2%	31	0.111	5.2	1150	6
	LQW15AN14NJ8ZD	14	J: ±5%	31	0.111	5.2	1150	6
	LQW15AN15NG8ZD	15	G: ±2%	31	0.114	5.5	1150	6
	LQW15AN15NJ8ZD	15	J: ±5%	31	0.114	5.5	1150	6
	LQW15AN16NG8ZD	16	G: ±2%	31	0.126	5.0	1000	6
	LQW15AN16NJ8ZD	16	J: ±5%	31	0.126	5.0	1000	6
	LQW15AN17NG8ZD	17	G: ±2%	30	0.126	5.0	1000	6
	LQW15AN17NJ8ZD	17	J: ±5%	30	0.126	5.0	1000	6
	LQW15AN18NG8ZD	18	G: ±2%	30	0.130	5.2	1050	6
	LQW15AN18NJ8ZD	18	J: ±5%	30	0.130	5.2	1050	6
	LQW15AN19NG8ZD	19	G: ±2%	30	0.156	5.0	920	6
	LQW15AN19NJ8ZD	19	J: ±5%	30	0.156	5.0	920	6
	LQW15AN20NG8ZD	20	G: ±2%	30	0.186	4.5	800	6
	LQW15AN20NJ8ZD	20	J: ±5%	30	0.186	4.5	800	6
	LQW15AN21NG8ZD	21	G: ±2%	30	0.202	4.5	780	6
	LQW15AN21NJ8ZD	21	J: ±5%	30	0.202	4.5	780	6
	LQW15AN22NG8ZD	22	G: ±2%	30	0.202	4.5	780	6
	LQW15AN22NJ8ZD	22	J: ±5%	30	0.202	4.5	780	6
	LQW15AN23NG8ZD	23	G: ±2%	29	0.201	4.5	760	6
	LQW15AN23NJ8ZD	23	J: ±5%	29	0.201	4.5	760	6
	LQW15AN24NG8ZD	24	G: ±2%	31	0.212	4.0	770	6
	LQW15AN24NJ8ZD	24	J: ±5%	31	0.212	4.0	770	6
	LQW15AN25NG8ZD	25	G: ±2%	31	0.221	4.1	750	6
	LQW15AN25NJ8ZD	25	J: ±5%	31	0.221	4.1	750	6
	LQW15AN26NG8ZD	26	G: ±2%	29	0.282	4.1	720	6
	LQW15AN26NJ8ZD	26	J: ±5%	29	0.282	4.1	720	6
	LQW15AN27NG8ZD	27	G: ±2%	30	0.288	4.0	680	6
	LQW15AN27NJ8ZD	27	J: ±5%	30	0.288	4.0	680	6
	LQW15AN30NG8ZD	30	G: ±2%	30	0.309	3.8	660	6
	LQW15AN30NJ8ZD	30	J: ±5%	30	0.309	3.8	660	6
	LQW15AN33NG8ZD	33	G: ±2%	30	0.336	3.6	620	6
	LQW15AN33NJ8ZD	33	J: ±5%	30	0.336	3.6	620	6
	LQW15AN36NG8ZD	36	G: ±2%	30	0.431	3.5	540	6
	LQW15AN36NJ8ZD	36	J: ±5%	30	0.431	3.5	540	6
	LQW15AN39NG8ZD	39	G: ±2%	28	0.456	3.4	530	6
	LQW15AN39NJ8ZD	39	J: ±5%	28	0.456	3.4	530	6
	LQW15AN43NG8ZD	43	G: ±2%	30	0.516	3.4	515	6
	LQW15AN43NJ8ZD	43	J: ±5%	30	0.516	3.4	515	6
	LQW15AN47NG8ZD	47	G: ±2%	25	0.648	3.4	440	6
	LQW15AN47NJ8ZD	47	J: ±5%	25	0.648	3.2	440	6
	LCAN IOWINALINDOCD	41	J. ±3%	20	0.040	J.Z	440	U

		Indu	uctance		DC	Self-resonant	Datad	ESD
Customer Part number	Murata Part number	Nominal value (nH)	Tolerance	Q (Min.)	resistance (Ω max.)	frequency (GHz min.)	Rated current (mA)*1	Rank 6: 25 kV
	LQW15AN51NG8ZD	51	G: ±2%	25	0.696	2.9	415	6
	LQW15AN51NJ8ZD	51	J: ±5%	25	0.696	2.9	415	6
	LQW15AN53NG8ZD	53	G: ±2%	25	0.696	2.9	415	6
	LQW15AN53NJ8ZD	53	J: ±5%	25	0.696	2.9	415	6
	LQW15AN56NG8ZD	56	G: ±2%	25	0.996	2.9	340	6
	LQW15AN56NJ8ZD	56	J: ±5%	25	0.996	2.9	340	6
	LQW15AN68NG8ZD	68	G: ±2%	25	1.128	2.5	320	6
	LQW15AN68NJ8ZD	68	J: ±5%	25	1.128	2.5	320	6
	LQW15AN75NG8ZD	75	G: ±2%	25	1.224	2.4	320	6
	LQW15AN75NJ8ZD	75	J: ±5%	25	1.224	2.4	320	6

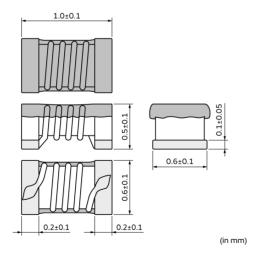
^{*1} As shown in the diagram below, derating is applied to the rated current based on the operating temperature.



4. Testing Conditions

Unless otherwise specified	Temperature: ordinary temperature (15°C to 35°C) Humidity: ordinary humidity [25% to 85% (RH)]
In case of doubt	Temperature: 20°C±2°C Humidity: 60% to 70% (RH) Atmospheric pressure: 86 kPa to 106 kPa

5. Appearance and Dimensions



Unit mass (typical value): 0.0009 g

6. Marking

No marking.



7. Electrical Performance

No.	Item	Specification		Test method
7.1	Inductance	Meet chapter 3 ratings.	Measuring equipme equivalent Measuring frequen- Inductance	ent: Keysight E4991A or the cy: 100 MHz
			Q	250 MHz 1.3 nH to 43 nH
				200 MHz 47 nH to 75 nH
			Measurement ter Electrical length: Measuring fixture: I Position the chip co	ns: gnal level: Approx. 0 dBm rminal distance: 0.5 mm 10.0 mm Keysight 16197A bil under test as shown in the e below and connect it to the ng weight.
7.2	Q	Meet chapter 3 ratings.		
				Product
				see "Electrical performance: for inductance/Q" in the chapter
7.3	DC resistance	Meet chapter 3 ratings.	Measuring equipme	ent: digital multimeter
7.4	Self-resonant frequency	Meet chapter 3 ratings.	Measuring equipme	ent: Keysight N5230A or the
7.5	Rated current	Product temperature rise: 40°C max.	Apply the rated cur	rent specified in chapter 3.

8. AEC-Q200 Requirement

8.1 Performance [based on table 5 for magnetics (inductors/transformer) AEC-Q200 Rev. D issued June 1, 2010]

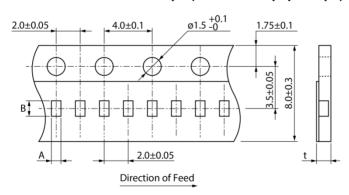
AEC-Q200			Murata an adjustion /deviation	
No.	Stress	Test method	Murata specification/deviation	
3	High temperature exposure	1000 h at 125°C Set for 24 h at room condition, then measured.	Meet table A after testing. Table A Appearance Inductance change rate (at 100 MHz) Within ±5%	
4	Temperature cycling	1000 cycles -40°C to +125°C Set for 24 h at room condition, then measured.	Meet table A after testing.	
7	Biased humidity	1000 h at 85°C, 85% (RH). Unpowered. Set for 24 h at room condition, then measured.	Meet table A after testing.	
8	Operational life	Apply 125°C 1000 h Set for 24 h at room condition, then measured.	Meet table A after testing.	
9	External visual	Visual inspection	No abnormalities	



AEC-Q200			Murata anacification/deviation	
No.	Stress	Test method	Murata specification/deviation	
10	Physical dimension	Meet chapter 5, "Appearance and Dimensions".	No defects	
12	Resistance to solvents	Per MIL-STD-202 Method 215	Not applicable	
13	Mechanical shock	Per MIL-STD-202 Method 213 Condition C: 100 g's (0.98 N), 6 ms, half sine, 12.3 ft/s	Meet table A after testing.	
14	Vibration	5 g's (0.049 N) for 20 min, 12 cycles each of 3 orientations Test from 10 Hz to 2000 Hz	Meet table A after testing.	
15	Resistance to soldering heat	No-heating Solder temperature 260°C±5°C Immersion time 10 s	Pre-heating: 150°C±10°C, 60 s to 90 s Meet table A after testing.	
17	ESD	Per AEC-Q200-002	ESD rank: Refer to chapter 3 ratings. Meet table A after testing.	
18	Solderbility	Per J-STD-002	Method b: not applicable 95% of the terminations is to be soldered (except exposed wire).	
19	Electrical characterization	Measured: inductance	No defects	
20	Flammability	Per UL-94	Not applicable	
21	Board flex	Epoxy-PCB (1.6 mm) Deflection 2 mm (min.)	Meet table B after testing. Table B	
		Holding time 60 s	Appearance No damage DC resistance change rate Within ±10%	
			DC resistance change rate Within ±10%	
22	Terminal strength	Per AEC-Q200-006 A force of 17.7 N for 60 s	No defects Murata deviation request: 5 N for 60 s	

9. Specification of Packaging

9.1 Appearance and dimensions of tape (8 mm width/paper tape)



0.75±0.03	
1.180±0.03	
0.80 max.	
(in	mm)
	1.180±0.03 0.80 max.

9.2 Taping specifications

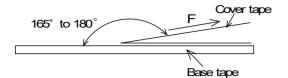
Packing quantity (Standard quantity)	10000 pcs/reel
Packing method	The products are placed in embossed cavities of a base tape and sealed by a cover tape.
Feed hole position	The feed holes on the base tape are on the right side when the cover tape is pulled toward the user.
Joint	The base tape and the cover tape are seamless.
Number of missing products	Number of missing products within 0.025% of the number per reel or 1 pc., whichever is greater, and are not continuous. The specified quantity per reel is kept.

9.3 Break down force of tape

Break down force of cover tape	5 N min.

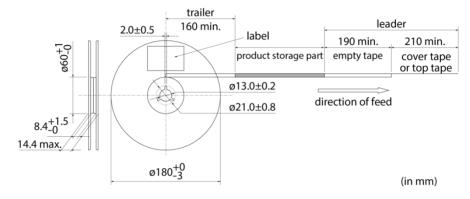
9.4 Peeling off force of cover tape

Speed of peeling off	300 mm/min	
Peeling off force	0.1 N to 0.6 N (The lower limit is for typical value.)	



9.5 Dimensions of leader section, trailer section and reel

A vacant section is provided in the leader (start) section and trailer (end) section of the tape for the product. The leader section is further provided with an area consisting only of the cover tape (or top tape). (See the diagram below.)



9.6 Marking for reel

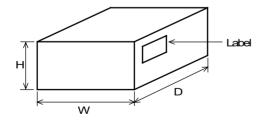
Customer part number. Murata part number. inspection number (*1). RoHS marking (*2), quantity, etc.

Customer part number, Murata pa	rt number, inspection number (*1), Rons marking (*2), quantity, etc.
*1 Expression of inspection No.:	(1) Factory code
0000 ♦♦♦	(2) Date
(1) (2) (3)	First digit: year/last digit of year
	Second digit: month/Jan. to Sep.→1 to 9, Oct. to Dec.→O, N, D
	Third, Fourth digit: day
	(3) Serial No.
*2 Expression of RoHS marking:	(1) RoHS regulation conformity
ROHS- Y (△)	(2) Murata classification number
(1) (2)	

9.7 Marking on outer box (corrugated box)

Customer name, purchasing order number, customer part number, Murata part number, RoHS marking (*2), quantity, etc.

9.8 Specification of outer box



Dimensions of outer box (mm)			Standard reel quantity	
W	D	Н	in outer box (reel)	
186	186	93	5	
* Above outer box size is typical. It depends on a				

* Above outer box size is typical. It depends on a quantity of an order.



10. ACaution

10.1 Limitation of applications

The products listed in the reference specification (hereinafter the product(s) is called as the "Product(s)") are designed and manufactured for applications specified in the reference specification (hereinafter called as the "Specific Application"). We shall not warrant anything in connection with the Products including fitness, performance, adequateness, safety, or quality, in the case of applications listed in from (1) to (11) written at the end of this precautions, which may generally require high performance, function, quality, management of production or safety. Therefore, the Product shall be applied in compliance with the specific application.

WE DISCLAIM ANY LOSS AND DAMAGES ARISING FROM OR IN CONNECTION WITH THE PRODUCTS INCLUDING BUT NOT LIMITED TO THE CASE SUCH LOSS AND DAMAGES CAUSED BY THE UNEXPECTED ACCIDENT, IN EVENT THAT (i) THE PRODUCT IS APPLIED FOR THE PURPOSE WHICH IS NOT SPECIFIED AS THE SPECIFIC APPLICATION FOR THE PRODUCT, AND/OR (ii) THE PRODUCT IS APPLIED FOR ANY FOLLOWING APPLICATION PURPOSES FROM (1) TO (11) (EXCEPT THAT SUCH APPLICATION PURPOSE IS UNAMBIGUOUSLY SPECIFIED AS SPECIFIC APPLICATION FOR THE PRODUCT IN OUR CATALOG SPECIFICATION FORMS, DATASHEETS, OR OTHER DOCUMENTS OFFICIALLY ISSUED BY US*).

- (1) Aircraft equipment
- (2) Aerospace equipment
- (3) Undersea equipment
- (4) Power plant control equipment
- (5) Medical equipment
- (6) Transportation equipment
- (7) Traffic control equipment
- (8) Disaster prevention/security equipment
- (9) Industrial data-processing equipment
- (10) Combustion/explosion control equipment
- (11) Equipment with complexity and/or required reliability equivalent to the applications listed in the above.

For exploring information of the Products which will be compatible with the particular purpose other than those specified in the reference specification, please contact our sales offices, distribution agents, or trading companies with which you make a deal, or via our web contact form.

Contact form: https://www.murata.com/contactform

* We may design and manufacture particular Products for applications listed in (1) to (11). Provided that, in such case we shall unambiguously specify such Specific Application in the reference specification without any exception. Therefore, any other documents and/or performances, whether exist or non-exist, shall not be deemed as the evidence to imply that we accept the applications listed in (1) to (11).

10.2 Precautions on rating

Avoid using in exceeded the rated temperature range, rated voltage, or rated current.

Usage when the ratings are exceeded could lead to wire breakage, burning, or other serious fault.

10.3 Inrush current

If an inrush current (or pulse current or rush current) that significantly exceeds the rated current is applied to the product, overheating could occur, resulting in wire breakage, burning, or other serious fault.

10.4 Fail-safe

Be sure to provide an appropriate fail-safe function on your product to prevent a second damage that may be caused by the abnormal function or the failure of our product.

10.5 Corrosive gas

Please refrain from use since contact with environments with corrosive gases (sulfur gas [hydrogen sulfide, sulfur dioxide, etc.], chlorine, ammonia, etc.) or oils (cutting oil, silicone oil, etc.) that have come into contact with the previously stated corrosive gas environment will result in deterioration of product quality or an open from deterioration due to corrosion of product electrode, etc. We will not bear any responsibility for use under these environments.



11. Precautions for Use

This product is for use only with reflow soldering. It is designed to be mounted by soldering. If you want to use other mounting method, for example, using a conductive adhesive, please consult us beforehand.

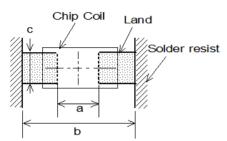
Also, if repeatedly subjected to temperature cycles or other thermal stress, due to the difference in the coefficient of thermal expansion with the mounting substrate, the solder (solder fillet part) in the mounting part may crack.

The occurrence of cracks due to thermal stress is affected by the size of the land where mounted, the solder volume, and the heat dissipation of the mounting substrate. Carefully design it when a large change in ambient temperature is assumed.

11.1 Land dimensions

The following diagram shows the recommended land dimensions for reflow soldering.

The land dimensions are designed in consideration of electrical characteristics and mountability. Use of other land dimensions may preclude achievement of performance. In some cases, it may result in poor solderability, including positional shift. If you use other land pattern, consider it adequately.



а	0.6	
b	1.42	
С	0.66	
	(in mm)

11.2 Flux and solder used

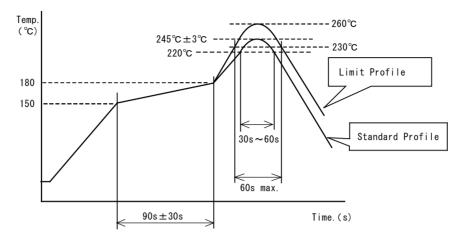
Flux	 Use a rosin-based flux that includes an activator with a chlorine conversion value of 0.06 mass% to 0.1 mass%. Do not use a highly acidic flux with a halide content exceeding 0.2 mass% (chlorine conversion value). Do not use a water-soluble flux.
Solder	 Use Sn-3.0Ag-0.5Cu solder. Standard thickness of solder paste: 50 μm to 100 μm

If you want to use a flux other than the above, please consult our technical department.



11.3 Soldering conditions (reflow)

- Pre-heating should be in such a way that the temperature difference between solder and product surface is limited to 150°C max.
 - Cooling into solvent after soldering also should be in such a way that the temperature difference is limited to 100°C max. Insufficient pre-heating may cause cracks on the product, resulting in the deterioration of product quality.
- Standard soldering profile and the limit soldering profile is as follows.
 The excessive limit soldering conditions may cause leaching of the electrode and/or resulting in the deterioration of product quality.



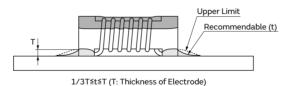
	Standard profile	Limit profile
Pre-heating	150°C to 180°C/90 s±30 s	150°C to 180°C/90 s±30 s
Heating	Above 220°C/30 s to 60 s	Above 230°C/60 s max.
Peak temperature	245°C±3°C	260°C/10 s
Number of reflow cycles	2 times	2 times

11.4 Reworking with soldering iron

Do not perform reworking with a soldering iron on this product.

11.5 Solder volume

Solder shall be used not to increase the volume too much.



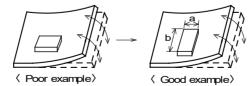
An increased solder volume increases mechanical stress on the product. Exceeding solder volume may cause the failure of mechanical or electrical performance.

11.6 Product's location

The following shall be considered when designing and laying out PCBs.

(1) PCB shall be designed so that products are not subject to mechanical stress due to warping the board. [Products direction]

Products shall be located in the sideways direction (length: a < b) to the mechanical stress.





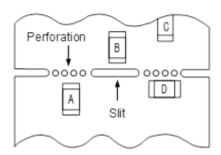
(2) Components location on PCB separation

It is effective to implement the following measures, to reduce stress in separating the board.

It is best to implement all of the following three measures; however, implement as many measures as possible to reduce stress

Contents of measures	Stress level	
(1) Turn the mounting direction of the component parallel to the board separation surface.	A > D*1	
(2) Add slits in the board separation part.	A > B	
(3) Keep the mounting position of the component away from the board separation surface.	A > C	
*4.4.5. D is valid when stress is added vertically to the perferction as with hand concretion		

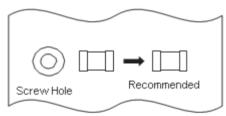
¹ A > D is valid when stress is added vertically to the perforation as with hand separation. If a cutting disc is used, stress will be diagonal to the PCB, therefore A > D is invalid.



(3) Mounting components near screw holes

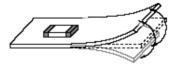
When a component is mounted near a screw hole, it may be affected by the board deflection that occurs during the tightening of the screw.

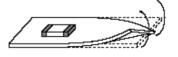
Mount the component in a position as far away from the screw holes as possible.



11.7 Handling of substrate

After mounting products on a substrate, do not apply any stress to the product caused by bending or twisting to the substrate when cropping the substrate, inserting and removing a connector from the substrate or tightening screw to the substrate. Excessive mechanical stress may cause cracking in the product.





Bending

Twisting



11.8 Cleaning

The product shall be cleaned under the following conditions.

- (1) The cleaning temperature shall be 60°C max. If isopropyl alcohol (IPA) is used, the cleaning temperature shall be 40°C max.
- (2) Perform ultrasonic cleaning under the following conditions. Exercise caution to prevent resonance phenomenon in mounted products and the PCB.

Item	Requirement
Power	20 W/L max.
Time	5 min max.
Frequency	28 kHz to 40 kHz

(3) Cleaner

Alcohol-based cleaner: IPA

Aqueous agent: PINE ALPHA ST-100S

- (4) There shall be no residual flux or residual cleaner. When using aqueous agent, rinse the product with deionized water adequately and completely dry it so that no cleaner is left.
- * For other cleaning, consult our technical department.

11.9 Storage and transportation

Storage period	Use the product within 12 months after delivery. If you do not use the product for more than 12 months, check solderability before using it.
Storage conditions	 The products shall be stored in a room not subject to rapid changes in temperature and humidity. The recommended temperature range is -10°C to +40°C. The recommended relative humidity range is 15% to 85%. Keeping the product in corrosive gases, such as sulfur, chlorine gas or acid may cause the poor solderability. Do not place the products directly on the floor; they should be placed on a palette so that they are not affected by humidity or dust. Avoid keeping the products in a place exposed to direct sunlight, heat or vibration. Do not keep products in bulk packaging. Bulk storage could result in collisions between the products or between the products and other parts, resulting in chipping or wire breakage. Avoid storing the product by itself bare (i.e. exposed directly to air).
Transportation	Excessive vibration and impact reduces the reliability of the products. Exercise caution when handling the products.

11.10 Resin coating (including moisture-proof coating)

When the product is coated/molded with resin, its electrical characteristics may change.

A wire breakage issue may occur by mechanical stress caused by the resin, amount/cured shape of resin, or operating condition etc.

Some resins contain impurities or hydrolyzable chlorine, which could result in corrosion of the conducting materials, leading to wire breakage.

So, please pay your careful attention when you select resin in case of coating/molding the products with the resin.

Prior to use the coating resin, please make sure no reliability issue is observed by evaluating products mounted on your board.

11.11 Mounting conditions

Check the mounting condition before using.

Using mounting conditions (nozzles, equipment conditions, etc.) that are not suitable for products may lead to pick up errors, misalignment, or damage to the product.

With some types of mounting equipment, a support pin pushes up the product from the bottom of the base (paper) tape when the product is sucked with the pick-up nozzle. When using this type of equipment, detach the support pin to prevent the breaking of wire on the product.

In some cases, the laser recognition function of the mounting equipment may not recognize this product correctly. Please contact us when using laser recognition. (There is no problem with the permeation and reflection type.)

11.12 Operating environment

Do not use this product under the following environmental conditions as it may cause deterioration of product quality.

- (1) In the corrodible atmosphere such as acidic gases, alkaline gases, chlorine, sulfur gases, organic gases and etc. (the sea breeze, Cl2, H2S, NH3, SO2, NO2, etc)
- (2) In the atmosphere where liquid such as organic solvent, may splash on the products.
- (3) In the atmosphere where the temperature/humidity changes rapidly and it is easy to dew.



11.13 Mounting density

If this product is placed near heat-generating products, be sure to implement sufficient heat-dissipating measures. If this product is subjected to a significant amount of heat from other products, this could adversely affect product quality, resulting in a circuit malfunction or failure of the mounted section. Also, be sure that the product is used in a manner so that the heat that the product is subjected to from other products does not exceed the upper limit of the rated operating temperature for the product.

11.14 Handling of product

- To prevent wire breakage, sharp objects such as tweezers, bristles of cleaning brushes, and other objects must not contact the winding section or the electrode section.
- Mechanical shock should not be applied to the products mounted on the board to prevent the breaking of the core.

12. **Note**

- (1) Please make sure that your product has been evaluated in view of your specifications with our product being mounted to your product.
- (2) You are requested not to use our product deviating from the reference specifications.
- (3) The contents of this reference specification are subject to change without advance notice. Please approve our product specifications or transact the approval sheet for product specifications before ordering.

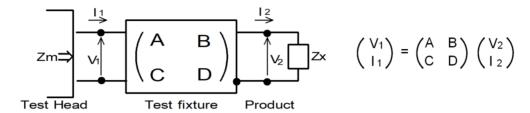


13. Appendix

Electrical performance: Measuring method for inductance/Q (Q measurement is applicable only when the Q value is included in the rating table.)

Perform measurement using the method described below. (Perform correction for the error deriving from the measuring terminal.)

(1) Residual elements and stray elements of the measuring terminal can be expressed by the F parameter for the 2-pole terminal as shown in the figure below.



(2) The product's impedance value (Zx) and measured impedance value (Zm) can be expressed as shown below, by using the respective current and voltage for input/output.

$$Zm = \frac{V_1}{I_1} \qquad Zx = \frac{V_2}{I_2}$$

(3) Thus, the relationship between the product's impedance value (Zx) and measured impedance value (Zm) is as follows.

	Here,
	$\alpha = D/A = 1$
	β = B/D = Zsm - (1 - Yom Zsm) Zss Γ = C/A = Yom
$Zx=\alpha \frac{Zm-\beta}{1-Zm\Gamma}$	Γ = C/A = Yom
1-21111	Zsm: measured impedance of short chip
	Zss: residual impedance of short chip (0.556 nH)
	Yom: measured admittance when measuring terminal is open

(4) Calculate inductance Lx and Qx using the equations shown below.

$Lx = \frac{Im (Zx)}{2\pi f}$ $Im (Zx)$	Lx: inductance of chip coil Qx: Q of chip coil
$Qx = \frac{IM(ZX)}{Re(ZX)}$	f: measuring frequency