

# Coils/Delay Lines

Continued from the preceding page.

Part Number	Inductance ( $\mu\text{H}$ )	Rated Current (mA)	Max. of DC resistance (ohm)	Self Resonance Frequency (MHz)	EIA
LQH3KSN152N21	1500 $\pm$ 30%	25	29.9	1.7 min.	1212
LQH3KSN222N21	2200 $\pm$ 30%	20	36.4	1.5 min.	1212

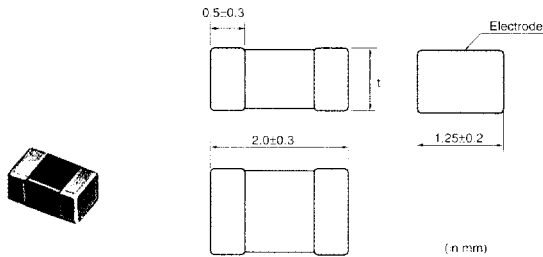
Min. of Operating Temp. : -25 C to 85 C

## Chip Coils

for Choke Monolithic Type

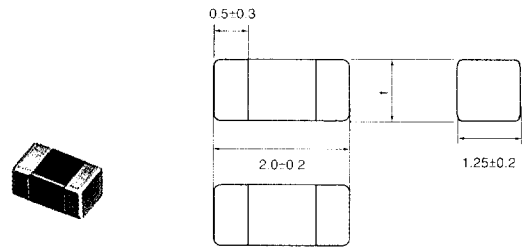
3 Coils/Delay Lines

### ● LQM21D/LQM21F Series (0805)



LQM21D Series

Part Number	t
LQM21DN1R0N00 to N100N00	0.85±0.2
LQM21DN220N00 to N470N00	1.25±0.2



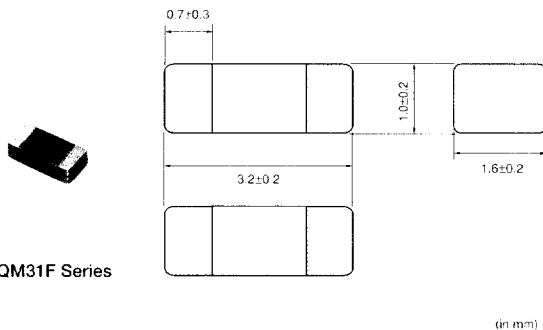
LQM21F Series

Part Number	t
LQM21FN1R0N00 to N2R2N00	0.85±0.2
LQM21FN4R7N00 to N470N00	1.25±0.2

Part Number	Inductance ( $\mu\text{H}$ )	Rated Current (mA)	Max. of DC resistance (ohm)	Self Resonance Frequency (MHz)	EIA
LQM21DN1R0N00	1 $\pm$ 30%	60	0.10	75 min.	0805
LQM21FN1R0N00	1.0 $\pm$ 30%	220	0.26	105 min.	0805
LQM21DN2R2N00	2.2 $\pm$ 30%	40	0.17	50 min.	0805
LQM21FN2R2N00	2.2 $\pm$ 30%	150	0.364	70 min.	0805
LQM21DN4R7N00	4.7 $\pm$ 30%	30	0.30	35 min.	0805
LQM21FN4R7N00	4.7 $\pm$ 30%	80	0.39	25 min.	0805
LQM21DN100N00	10 $\pm$ 30%	15	0.50	24 min.	0805
LQM21FN100N00	10 $\pm$ 30%	60	0.65	15 min.	0805
LQM21DN220N00	22 $\pm$ 30%	13	0.65	16 min.	0805
LQM21FN220N00	22 $\pm$ 30%	13	0.455	15 min.	0805
LQM21DN470N00	47 $\pm$ 30%	7	1.20	7.5 min.	0805
LQM21FN470N00	47 $\pm$ 30%	7	0.78	7.5 min.	0805

Min. of Operating Temp. : -40 C to 85 C

### ● LQM31F Series (1206)



LQM31F Series

(in mm)

# Coils/Delay Lines

Part Number	Inductance ( $\mu\text{H}$ )	Rated Current (mA)	Max. of DC resistance (ohm)	Self Resonance Frequency (MHz)	EIA
LQM31FN100M00	10 $\pm$ 20%	70	0.50	20 min.	1206

Min. of Operating Temp. : -40°C to 85°C

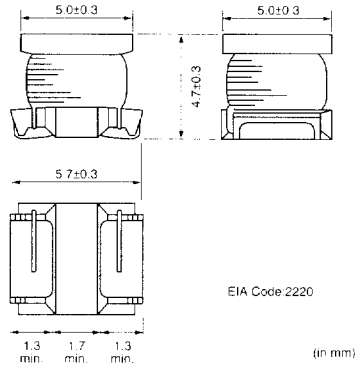
## Chip Coils

for Choke Large Current Type

### ● LQH55D Series (2220)



LQH55D Series

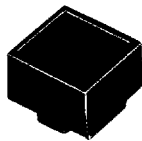


Part Number	Inductance ( $\mu\text{H}$ )	Rated Current (mA)	Max. of DC resistance (ohm)	Self Resonance Frequency (MHz)	EIA
LQH55DNR12M01	0.12 $\pm$ 20%	6000	0.0098	450 min.	2220
LQH55DNR27M01	0.27 $\pm$ 20%	5300	0.014	300 min.	2220
LQH55DNR47M01	0.47 $\pm$ 20%	4800	0.0182	200 min.	2220
LQH55DN1R0M01	1.0 $\pm$ 20%	4000	0.027	150 min.	2220
LQH55DN1R5M01	1.5 $\pm$ 20%	3700	0.031	110 min.	2220
LQH55DN2R2M01	2.2 $\pm$ 20%	3200	0.041	80 min.	2220
LQH55DN3R3M01	3.3 $\pm$ 20%	2900	0.05	40 min.	2220
LQH55DN4R7M01	4.7 $\pm$ 20%	2700	0.0574	30 min.	2220
LQH55DN6R8M01	6.8 $\pm$ 20%	2000	0.104	25 min.	2220
LQH55DN100M01	10 $\pm$ 20%	1700	0.130	20 min.	2220
LQH55DN150M01	15 $\pm$ 20%	1400	0.21	17 min.	2220
LQH55DN220M01	22 $\pm$ 20%	1200	0.266	15 min.	2220
LQH55DN330M01	33 $\pm$ 20%	900	0.448	12 min.	2220
LQH55DN470M01	47 $\pm$ 20%	800	0.56	10 min.	2220
LQH55DN680M01	68 $\pm$ 20%	640	0.938	7.6 min.	2220
LQH55DN101M01	100 $\pm$ 20%	560	1.204	6.5 min.	2220
LQH55DN151M01	150 $\pm$ 20%	420	2.660	5.0 min.	2220
LQH55DN221M01	220 $\pm$ 20%	320	3.36	4.0 min.	2220
LQH55DN331M01	330 $\pm$ 20%	270	6.16	3.1 min.	2220
LQH55DN471M01	470 $\pm$ 20%	240	7.56	2.4 min.	2220
LQH55DN681M01	680 $\pm$ 20%	190	11.34	1.9 min.	2220
LQH55DN102M01	1000 $\pm$ 20%	150	14.42	1.7 min.	2220
LQH55DN222M01	2200 $\pm$ 20%	100	30.1	1.2 min.	2220
LQH55DN472M01	4700 $\pm$ 20%	70	61.04	0.8 min.	2220
LQH55DN103M01	10000 $\pm$ 20%	50	140	0.5 min.	2220

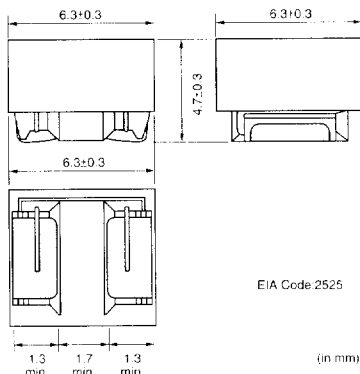
Min. of Operating Temp. : -25°C to 80°C

# Coils/Delay Lines

## ● LQH66S Series (2525)



LQH66S Series



(in mm)

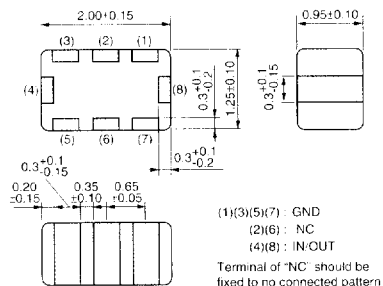
Part Number	Inductance (μH)	Rated Current (mA)	Max. of DC resistance (ohm)	Self Resonance Frequency (MHz)	EIA
LQH66SNR27M01	0.27 ±20%	6000	0.0098	300 min.	2525
LQH66SNR68M01	0.68 ±20%	5300	0.014	180 min.	2525
LQH66SN1R0M01	1.0 ±20%	4700	0.018	150 min.	2525
LQH66SN1R5M01	1.5 ±20%	3800	0.022	110 min.	2525
LQH66SN2R2M01	2.2 ±20%	3300	0.027	80 min.	2525
LQH66SN3R3M01	3.3 ±20%	2600	0.031	40 min.	2525
LQH66SN4R7M01	4.7 ±20%	2200	0.035	30 min.	2525
LQH66SN6R8M01	6.8 ±20%	1800	0.0406	25 min.	2525
LQH66SN100M01	10 ±20%	1600	0.050	20 min.	2525
LQH66SN150M01	15 ±20%	1300	0.967	17 min.	2525
LQH66SN220M01	22 ±20%	1100	0.122	15 min.	2525
LQH66SN330M01	33 ±20%	860	0.196	12 min.	2525
LQH66SN470M01	47 ±20%	760	0.238	10 min.	2525
LQH66SN680M01	68 ±20%	600	0.406	7.6 min.	2525
LQH66SN101M01	100 ±20%	520	0.504	6.5 min.	2525
LQH66SN151M01	150 ±20%	420	0.882	5.0 min.	2525
LQH66SN221M01	220 ±20%	350	1.106	4.0 min.	2525
LQH66SN331M01	330 ±20%	280	2.52	3.2 min.	2525
LQH66SN471M01	470 ±20%	240	3.08	2.5 min.	2525
LQH66SN681M01	680 ±20%	200	5.46	2.0 min.	2525
LQH66SN102M01	1000 ±20%	160	6.86	1.7 min.	2525
LQH66SN222M01	2200 ±20%	100	13.16	1.2 min.	2525
LQH66SN472M01	4700 ±20%	70	27.3	0.8 min.	2525
LQH66SN103M01	10000 ±20%	50	55.58	0.5 min.	2525

Min. of Operating Temp. : -25 C to 80 C

## Chip Multilayer Delay Lines



LDH21 Series

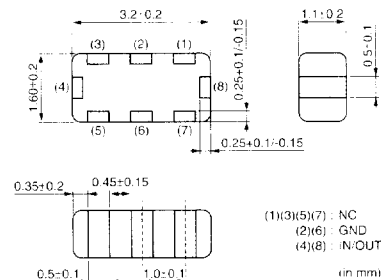


(in mm)

All the technical data and Information contained herein are subject to change without prior notice.



LDH31 Series



(in mm)

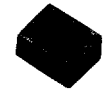
Terminal of "NC" should not be fixed to any pattern.

All the technical data and Information contained herein are subject to change without prior notice.

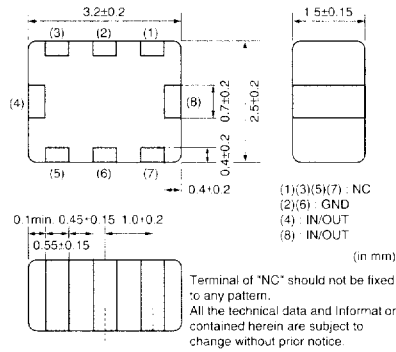
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# Coils/Delay Lines

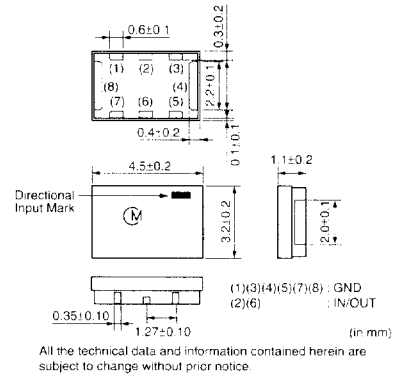
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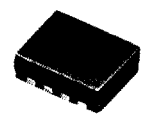
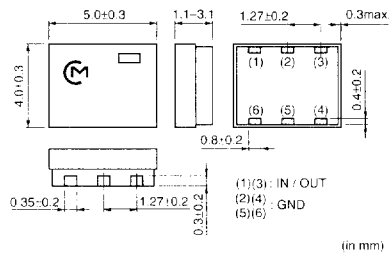
LDH32 Series



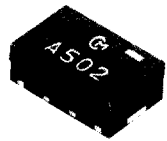
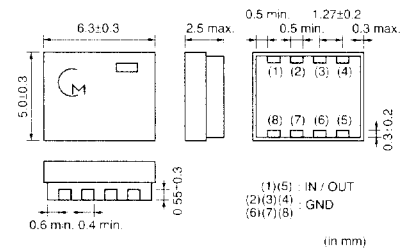
LDH43 Series



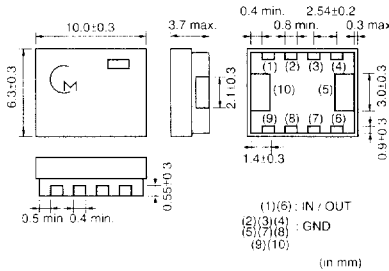
LDH54 Series



LDH65 Series



LDHA2 Series



Part Number	Delay Time (ns)	Impedance (ohm)	Rising Time (ns)	Insulation Resistance (M ohm)	Rated Current (mA)
LDH21600PLAC-820	0.60 ±0.09ns	50 (Nominal)	0.7 max.	100 min.	50
LDH21800PLAC-820	0.80 ±0.12ns	50 (Nominal)	0.75 max.	100 min.	50
LDH211N00LAC-820	1.00 ±0.15ns	50 (Nominal)	0.8 max.	100 min.	50
LDH211N20LAC-820	1.20 ±0.18ns	50 (Nominal)	0.85 max.	100 min.	50
LDH311N00LAC-810	0.1 ±15%	50 (Nominal)	0.8 max.	100 min.	50
LDH311N50LAC-810	1.5 ±15%	50 (Nominal)	1.0 max.	100 min.	50
LDH312N00LAC-810	2.0 ±15%	50 (Nominal)	1.5 max.	100 min.	50
LDH321N00LAC-800	1.0 ±15%	50 (Nominal)	0.8 max.	100 min.	50
LDH321N50LAC-800	1.5 ±15%	50 (Nominal)	1.0 max.	100 min.	50
LDH322N00LAC-800	2.0 ±15%	50 (Nominal)	1.5 max.	100 min.	50
LDH322N50LAC-800	2.5 ±15%	50 (Nominal)	1.8 max.	100 min.	50
LDH323N00LAC-800	3.0 ±15%	50 (Nominal)	2.0 max.	100 min.	50
LDH43050PAAA-830	50.0 ns±11.0ns (at 10.0GHz)	50 (at 10.0GHz) (Nominal)	-	100 min.	50
LDH43060PAAA-830	60.0 ps±11.0ps (at 10.0GHz)	50 (at 10.0GHz) (Nominal)	-	100 min.	50
LDH43070PAAA-830	70.0 ps±11.0ps (at 10.0GHz)	50 (at 10.0GHz) (Nominal)	-	100 min.	50
LDH43080PAAA-830	80.0 ps±11.0ps (at 10.0GHz)	50 (at 10.0GHz) (Nominal)	-	100 min.	50

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# Coils/Delay Lines

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Part Number	Delay Time (ns)	Impedance (ohm)	Rising Time (ns)	Insulation Resistance (M ohm)	Rated Current (mA)
LDH43090PAAA-830	90.0 ps±11.0% (at 10.0GHz)	50 (at 10.0GHz) (Nominal)	-	100 min.	50
LDH43100PAAA-830	100.0 ps±11.0% (at 10.0GHz)	50 (at 10.0GHz) (Nominal)	-	100 min.	50
LDH43110PKAA-830	110.0 ps±11.0% (at 10.0GHz)	50 (at 10.0GHz) (Nominal)	-	100 min.	50
LDH43120PKAA-830	120.0 ps±11.0% (at 10.0GHz)	50 (at 10.0GHz) (Nominal)	-	100 min.	50
LDH43130PKAA-830	130.0 ps±11.0% (at 10.0GHz)	50 (at 10.0GHz) (Nominal)	-	100 min.	50
LDH43140PKAA-830	140.0 ps±11.0% (at 10.0GHz)	50 (at 10.0GHz) (Nominal)	-	100 min.	50
LDH43150PKAA-830	150.0 ps±11.0% (at 10.0GHz)	50 (at 10.0GHz) (Nominal)	-	100 min.	50
LDH54100PAAA-600	0.1 ±0.05ns	50 ±7 (at 100MHz)	0.15 max.	100 min.	50
LDH54200PAAA-600	0.2 ±0.05ns	50 ±7 (at 100MHz)	0.15 max.	100 min.	50
LDH54300PAAA-600	0.3 ±0.05ns	50 ±7 (at 100MHz)	0.15 max.	100 min.	50
LDH54400PAAA-600	0.4 ±0.05ns	50 ±7 (at 100MHz)	0.15 max.	100 min.	50
LDH54500PAAA-600	0.5 ±0.05ns	50 ±7 (at 100MHz)	0.15 max.	100 min.	50
LDH54600PBAA-600	0.6 ±0.1ns	50 ±7 (at 100MHz)	0.3 max.	100 min.	50
LDH54700PBAA-600	0.7 ±0.1ns	50 ±7 (at 100MHz)	0.3 max.	100 min.	50
LDH54800PBAA-600	0.8 ±0.1ns	50 ±7 (at 100MHz)	0.3 max.	100 min.	50
LDH54900PBAA-600	0.9 ±0.1ns	50 ±7 (at 100MHz)	0.3 max.	100 min.	50
LDH541N00BAA-600	1.0 ±0.1ns	50 ±7 (at 100MHz)	0.3 max.	100 min.	50
LDH541N50BAA-600	1.5 ±0.1ns	50 ±7 (at 100MHz)	0.5 max.	100 min.	50
LDH542N00BAA-600	2.0 ±0.1ns	50 ±7 (at 100MHz)	0.5 max.	100 min.	50
LDH542N50BAA-600	2.5 ±0.1ns	50 ±7 (at 100MHz)	0.5 max.	100 min.	50
LDH543N00KAB-700	3.0 ±0.3ns	75 (Nominal)	2.0 max.	100 min.	50
LDH544N00KAB-700	4.0 ±0.4ns	75 (Nominal)	2.5 max.	100 min.	50
LDH545N00KAB-700	5.0 ±0.5ns	75 (Nominal)	2.5 max.	100 min.	50
LDH546N00KAB-700	6.0 ±0.6ns	75 (Nominal)	3.0 max.	100 min.	50
LDH547N00KAB-700	7.0 ±0.7ns	75 (Nominal)	3.5 max.	100 min.	50
LDH548N00KAB-700	8.0 ±0.8ns	75 (Nominal)	3.5 max.	100 min.	50
LDH549N00KAB-700	9.0 ±0.9ns	75 (Nominal)	4.0 max.	100 min.	50
LDH5410N0KAB-700	10.0 ±1.0ns	75 (Nominal)	4.5 max.	100 min.	50
LDH65100PAAA-400	0.1 ±0.05ns	50 ±5 (at 100MHz)	0.10 max.	100 min.	100
LDH65200PAAA-400	0.2 ±0.05ns	50 ±5 (at 100MHz)	0.10 max.	100 min.	100
LDH65300PAAA-400	0.3 ±0.05ns	50 ±5 (at 100MHz)	0.15 max.	100 min.	100
LDH65400PAAA-400	0.4 ±0.05ns	50 ±5 (at 100MHz)	0.15 max.	100 min.	100
LDH65500PAAA-400	0.5 ±0.05ns	50 ±5 (at 100MHz)	0.15 max.	100 min.	100
LDH65600PBAA-400	0.6 ±0.1ns	50 ±5 (at 100MHz)	0.15 max.	100 min.	100
LDH65700PBAA-400	0.7 ±0.1ns	50 ±5 (at 100MHz)	0.20 max.	100 min.	100
LDH65800PBAA-400	0.8 ±0.1ns	50 ±5 (at 100MHz)	0.20 max.	100 min.	100
LDH65900PBAA-400	0.9 ±0.1ns	50 ±5 (at 100MHz)	0.20 max.	100 min.	100
LDH651N00BAA-400	1.0 ±0.1ns	50 ±5 (at 100MHz)	0.20 max.	100 min.	100
LDHA2500PAAA-300	0.5 ±0.05ns	50 ±5 (at 100MHz)	0.15 max.	100 min.	100
LDHA21N00BAA-300	1.0 ±0.1ns	50 ±5 (at 100MHz)	0.20 max.	100 min.	100
LDHA21N50BAA-300	1.5 ±0.1ns	50 ±5 (at 100MHz)	0.30 max.	100 min.	100
LDHA22N00BAA-300	2.0 ±0.1ns	50 ±5 (at 100MHz)	0.40 max.	100 min.	100
LDHA22N50BAA-300	2.5 ±0.1ns	50 ±5 (at 100MHz)	0.40 max.	100 min.	100
LDHA23N00BAA-300	3.0 ±0.1ns	50 ±10 (at 100MHz)	0.75 max.	100 min.	100
LDHA24N00BAA-300	4.0 ±0.1ns	50 ±10 (at 100MHz)	1.00 max.	100 min.	100
LDHA25N00BAA-300	5.0 ±0.1ns	50 ±10 (at 100MHz)	1.25 max.	100 min.	100
LDHA26N00CAA-300	6.0 ±0.2ns	50 ±10 (at 100MHz)	1.50 max.	100 min.	100
LDHA27N00CAA-300	7.0 ±0.2ns	50 ±10 (at 100MHz)	1.75 max.	100 min.	100
LDHA28N00CAA-300	8.0 ±0.2ns	50 ±10 (at 100MHz)	2.00 max.	100 min.	100
LDHA29N00CAA-300	9.0 ±0.2ns	50 ±10 (at 100MHz)	2.25 max.	100 min.	100
LDHA210N0CAA-300	10.0 ±0.2ns	50 ±10 (at 100MHz)	2.50 max.	100 min.	100

Operating Temperature Range : -40°C to +85°C