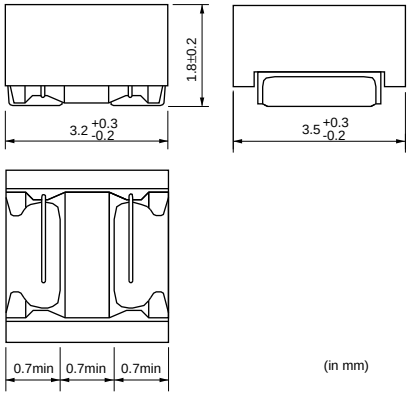
CHIP COILS

for General Use Magnetic Shielded Type LQH3ER Series

LQH3ER Series

■ Features

The LQH3ER series consists of magnetically shielded chip inductors. Its tight inductance tolerance of +-2% enables no adjustment of circuit. The shielding structure eliminates external interference and facilitates high mounting density.



Part Number	Inductance (μH)	Rated Current (mA)	Max. of DC resistance (ohm)	Q (min.)	Self Resonance Frequency (MHz)
LQH3ERN1R0G01	1 ±2%	70	0.247	60 at 7.96MHz	120 min.
LQH3ERN1R2G01	1.2 ±2%	70	0.286	60 at 7.96MHz	100 min.
LQH3ERN1R5G01	1.5 ±2%	70	0.338	60 at 7.96MHz	80 min.
LQH3ERN1R8G01	1.8 ±2%	70	0.364	60 at 7.96MHz	70 min.
LQH3ERN2R2G01	2.2 ±2%	50	0.429	60 at 7.96MHz	60 min.
LQH3ERN2R7G01	2.7 ±2%	50	0.507	60 at 7.96MHz	55 min.
LQH3ERN3R3G01	3.3 ±2%	50	0.559	60 at 7.96MHz	50 min.
LQH3ERN3R9G01	3.9 ±2%	50	0.585	60 at 7.96MHz	45 min.
LQH3ERN4R7G01	4.7 ±2%	30	0.676	60 at 7.96MHz	40 min.
LQH3ERN5R6G01	5.6 ±2%	30	0.728	60 at 7.96MHz	37 min.
LQH3ERN6R8G01	6.8 ±2%	30	0.806	60 at 7.96MHz	35 min.
LQH3ERN8R2G01	8.2 ±2%	30	0.897	60 at 7.96MHz	32 min.
LQH3ERN100G01	10 ±2%	15	1.222	70 at 2.52MHz	30 min.
LQH3ERN120G01	12 ±2%	15	1.43	70 at 2.52MHz	27 min.
LQH3ERN150G01	15 ±2%	15	1.56	70 at 2.52MHz	25 min.
LQH3ERN180G01	18 ±2%	15	1.69	70 at 2.52MHz	23 min.
LQH3ERN220G01	22 ±2%	10	1.95	70 at 2.52MHz	20 min.
LQH3ERN270G01	27 ±2%	10	2.21	70 at 2.52MHz	18 min.
LQH3ERN330G01	33 ±2%	10	3.12	80 at 2.52MHz	16 min.
LQH3ERN390G01	39 ±2%	10	3.38	80 at 2.52MHz	15 min.
LQH3ERN470G01	47 ±2%	10	3.9	80 at 2.52MHz	14 min.
LQH3ERN560G01	56 ±2%	10	4.29	80 at 2.52MHz	13 min.
LQH3ERN680G01	68 ±2%	10	6.89	80 at 2.52MHz	12 min.
LQH3ERN820G01	82 ±2%	10	7.54	80 at 2.52MHz	11 min.
LQH3ERN101G01	100 ±2%	10	8.58	80 at 2.52MHz	10 min.
LQH3ERN1R0J01	1 ±5%	70	0.247	60 at 7.96MHz	120 min.
LQH3ERN1R2J01	1.2 ±5%	70	0.286	60 at 7.96MHz	100 min.
LQH3ERN1R5J01	1.5 ±5%	70	0.338	60 at 7.96MHz	80 min.
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LQH3ERN3R3J01	3.3 ±5%	50	0.559	60 at 7.96MHz	50 min.
LQH3ERN3R9J01	3.9 ±5%	50	0.585	60 at 7.96MHz	45 min.
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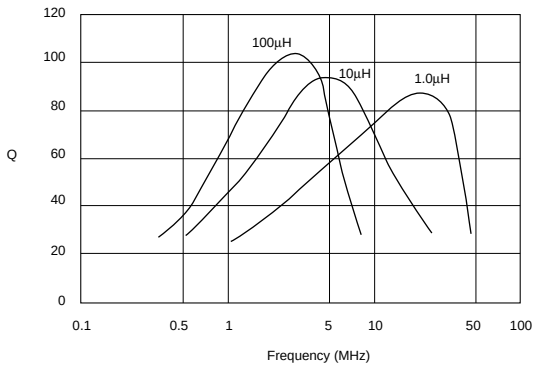
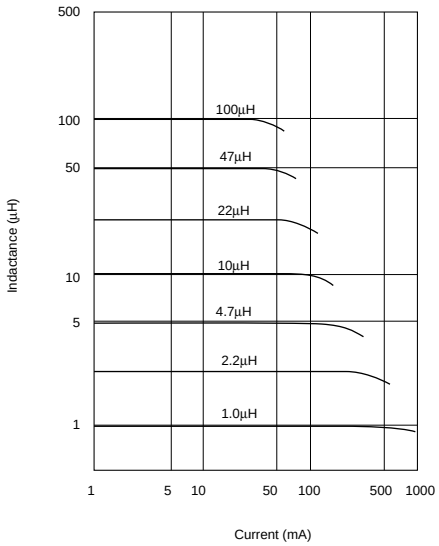
Min. of Operating Temp. : -25°C to 85°C

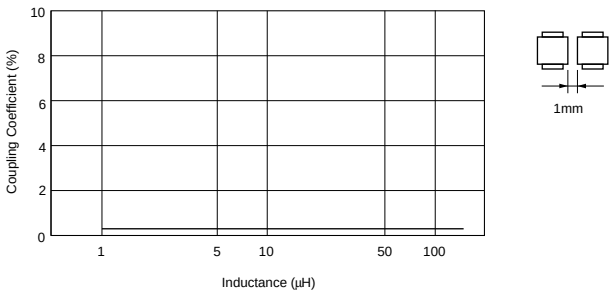
■ Q-Frequency Characteristics



■ Inductance-Current Characteristics



■ Coupling Coefficient



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