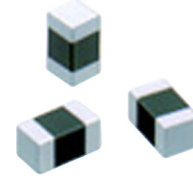


DESCRIPTION

The TOKO LLU1005 Series is a multilayer ferrite chip inductor designed for general-purpose signal line applications found in resonance circuitry, LC filter networks, and RF chokes. A proprietary ferrite material and advanced multilayer manufacturing process deliver excellent performance and exceptional reliability over an inductance range of 0.1 to 4.7 μ H.

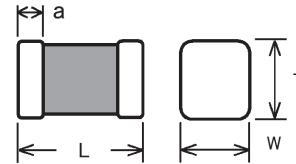


FEATURES

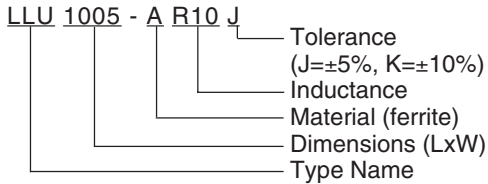
- EIA standard 0402 footprint
- Low profile: 0.55mm max.
- Inductance range: 0.1 to 4.7 μ H
- Integrated monolithic structure
- Magnetically shielded minimizing crosstalk
- Operating temperature: -40°C to +85°C
- Reflow solderable

DIMENSIONS

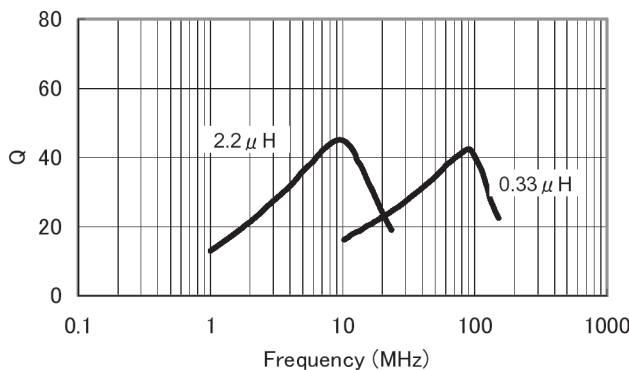
Type	L (mm)	W (mm)	T (mm)	a (mm)
LLU1005	1.0 \pm 0.5	0.5 \pm 0.05	0.5 \pm 0.05	0.25 \pm 0.1



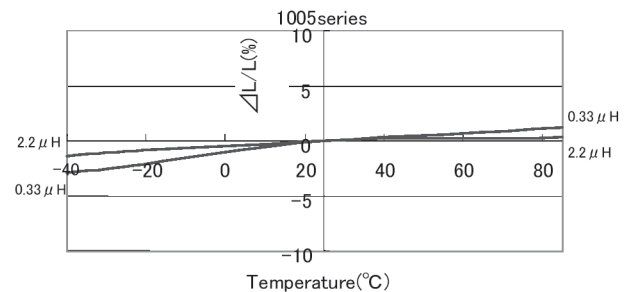
PART NUMBERING



FREQUENCY CHARACTERISTICS



TEMPERATURE CHARACTERISTICS



ELECTRICAL SPECIFICATIONS
TYPE LLU1005

TOKO Part Number	Inductance (μH)	Tolerance (%)	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.	Measuring Frequency (MHz)
LLU1005-AR10_*	0.1	±5, ±10	10	195	0.50	25	25
LLU1005-AR12_*	0.12	±5, ±10	10	180	0.70	25	25
LLU1005-AR15_*	0.15	±5, ±10	10	165	0.90	25	25
LLU1005-AR18_*	0.18	±5, ±10	10	150	1.10	25	25
LLU1005-AR22_*	0.22	±5, ±10	10	135	1.30	25	25
LLU1005-AR27_*	0.27	±5, ±10	10	120	1.50	25	25
LLU1005-AR33_*	0.33	±5, ±10	10	105	1.70	25	25
LLU1005-BR39_*	0.39	±5, ±10	20	85	0.60	10	10
LLU1005-BR47_*	0.47	±5, ±10	20	80	0.70	10	10
LLU1005-BR56_*	0.56	±5, ±10	20	75	0.80	10	10
LLU1005-BR68_*	0.68	±5, ±10	20	70	0.90	10	10
LLU1005-BR82_*	0.82	±5, ±10	20	65	1.00	10	10
LLU1005-B1R0_*	1.0	±5, ±10	20	60	1.10	10	10
LLU1005-B1R2_*	1.2	±5, ±10	20	55	1.25	10	10
LLU1005-B1R5_*	1.5	±5, ±10	20	50	1.40	10	10
LLU1005-B1R8_*	1.8	±5, ±10	20	45	1.55	10	10
LLU1005-B2R2_*	2.2	±5, ±10	20	40	1.70	10	10
LLU1005-B2R7_*	2.7	±5, ±10	20	35	2.30	10	10
LLU1005-B3R3_*	3.3	±5, ±10	20	30	2.60	10	10
LLU1005-B3R9_*	3.9	±5, ±10	20	25	2.90	10	10
LLU1005-B4R7_*	4.7	±5, ±10	20	23	3.30	10	10

* Add tolerance to part number: J = ±5%, K = ±10%



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