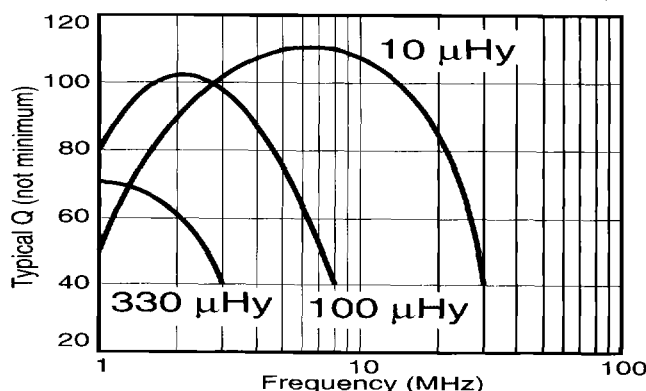
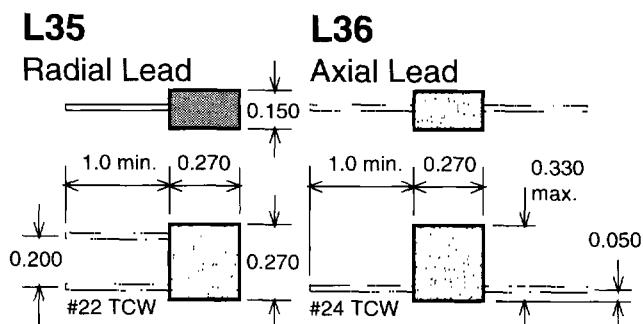




Subminiature Toroidal Inductors Encapsulated MS 21424 Type 10 to 1000 μHy L35 and L36



The L35 (radial leads) and L36 (axial leads) series are super-miniaturized, epoxy encapsulated, toroidal, fixed value inductors designed for high density applications and manufactured according to Military standards and Specification MS 21424 for high reliability.

FEATURES:

- Extremely small size.
- Rugged epoxy encapsulated construction.
- Toroidal structure - low externally radiated magnetic fields.
- High reliability.

SPECIFICATIONS:

Inductance: 10 to 1000 μHy .

Tolerance: 5% standard,
other tolerances available.

Power dissipation: 1/3 watt maximum.

Overload current: 1.4 x rated current.

Frequency range: 50 kHz to 50 mHz.

Inductance TC: $L \leq 270 \mu\text{Hy}$: +25 ppm/ $^{\circ}\text{C}$ (nom), +60 ppm/ $^{\circ}\text{C}$ (max) and $L \geq 330 \mu\text{Hy}$: +125 ppm/ $^{\circ}\text{C}$ (nom), +300 ppm/ $^{\circ}\text{C}$ (max).

Leads: Tinned copper standard, weldable gold-plated Dumet (suffix "D") or nickel (suffix "N") available.

Terminal strength: 5 pounds.

Operating temperature: -55 to +125 $^{\circ}\text{C}$.

Temperature rise: 35 $^{\circ}\text{C}$ maximum.

Dielectric Withstanding: 700 V rms.

Moisture and shock resistant.

Immersion proof.

Altitude rating: 70,000 feet.

All specifications are subject to change without notice.

MS (REF) Part number	Radial leads Part number	Axial leads Part number	Inductance(μHy)	Tolerance(%)	Q(min)	Freq(mHz)	SR Freq(mHz)	DCR (Ω max)	Rated DC(ma)
MS21424-01	L35-100J	L36-100J	10	75	2.5	35	1.1	550	
MS21424-02	L35-120J	L36-120J	12			31	1.3	500	
MS21424-03	L35-150J	L36-150J	15			27	1.5	450	
MS21424-04	L35-180J	L36-180J	18			24	1.9	410	
MS21424-05	L35-220J	L36-220J	22			22	2.3	380	
MS21424-06	L35-270J	L36-270J	27	80	2.5	20	2.7	350	
MS21424-07	L35-330J	L36-330J	33			18	3.3	320	
MS21424-08	L35-390J	L36-390J	39			16	3.9	290	
MS21424-09	L35-470J	L36-470J	47			14	4.7	260	
MS21424-10	L35-560J	L36-560J	56			12	5.6	240	
MS21424-11	L35-680J	L36-680J	68	5	.79	11	6.8	220	
MS21424-12	L35-820J	L36-820J	82			10	8.1	200	
MS21424-13	L35-101J	L36-101J	100			9.1	9.7	180	
MS21424-14	L35-121J	L36-121J	120			8.2	12	160	
MS21424-15	L35-151J	L36-151J	150			7.3	14	150	
MS21424-16	L35-181J	L36-181J	180	45	.79	6.4	17	140	
MS21424-17	L35-221J	L36-221J	220			5.6	20	130	
MS21424-18	L35-271J	L36-271J	270			5.0	24	120	
MS21424-19	L35-331J	L36-331J	330			4.4	19	130	
MS21424-20	L35-391J	L36-391J	390			3.9	22	120	
MS21424-21	L35-471J	L36-471J	470	55	.79	3.5	27	110	
MS21424-22	L35-561J	L36-561J	560			3.1	32	100	
MS21424-23	L35-681J	L36-681J	680			2.8	19	130	
MS21424-24	L35-821J	L36-821J	820			2.5	23	120	
MS21424-25	L35-102J	L36-102J	1000			2.2	27	110	

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