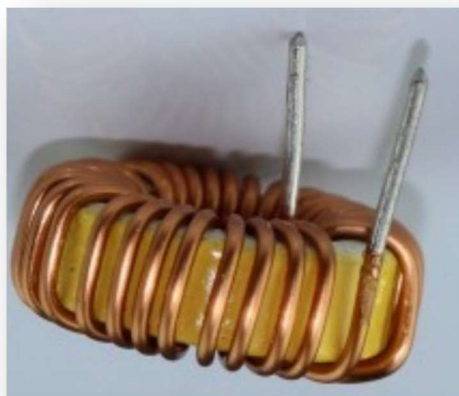
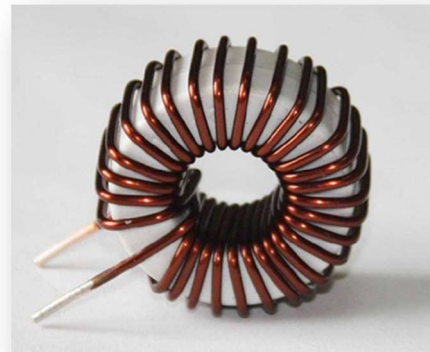


Toroidal Coil Inductors

AJLT Series



Features:

- Low cost,High current
- Lowest EMI
- High current capacity
- Horizontal or vertical mount available



Toroidal Coil Inductors

Applications:

Communication power supply,

PC power supply,

DC/DC converter

EMI filters

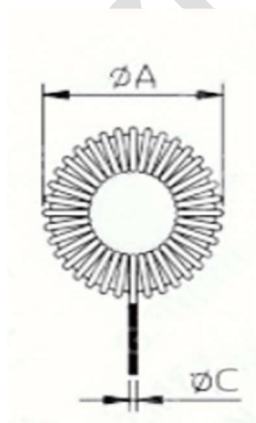
industrial power supply,

UPS power supply,

Output chokes

Parameter:

- Rated current is based on an I_{rms} temperature rise of 20°C
- Operating temperature: -55°C to $+125^{\circ}\text{C}$
- Inductance tolerance: $1.0\sim 8.2\ \mu\text{H} \pm 20\%$, $10\sim 1000\ \mu\text{H} \pm 15\%$
- Rated current to cause 30°C temperature rise





Toroidal Coil Inductors

Electrical characteristics:

Design as Customer's Requested Specifications.

Part Number	Inductance L0(uH) +/-15% 10KHz 0.1V	Rated current I _{dc} :(A)	Inductance L _{idc} (uH) +/-15% 10KHz 0.1V	DCR Max(Ω)	Dim.A (mm)	Dim.B (mm)	Dim.C (mm)
AJLTM2008-100Y	10	9.9	7.5	0.012	19.034	8.382	1.067
AJLTM2008-120Y	12	9.6	9.0	0.013	19.034	8.382	1.067
AJLTM2008-150Y	15	9.1	11.0	0.014	19.034	8.382	1.067
AJLTM2008-180Y	18	8.6	13.0	0.016	19.034	8.382	1.067
AJLTM2008-220Y	22	6.7	16.6	0.026	19.05	8.128	0.864
AJLTM2008-270Y	27	6.4	20.1	0.028	19.05	8.128	0.864
AJLTM2008-330Y	33	6.1	24.0	0.031	20.066	8.89	0.864
AJLTM2008-390Y	39	5.9	28.0	0.033	20.066	8.89	0.864
AJLTM2008-470Y	47	5.6	33.1	0.036	20.066	8.89	0.864
AJLTM2008-560Y	56	5.3	38.5	0.04	20.066	8.89	0.864
AJLTM2008-680Y	68	5.1	46.0	0.044	20.066	8.89	0.864
AJLTM2008-820Y	82	4.8	54.0	0.049	20.066	8.89	0.864
AJLTM2008-101Y	100	4.6	64.5	0.053	20.066	8.89	0.864
AJLTM2008-121Y	120	3.5	84.4	0.094	19.558	8.636	0.686
AJLTM2008-151Y	150	3.3	102.8	0.11	19.558	8.636	0.686
AJLTM2008-181Y	180	3.1	120.7	0.12	19.558	8.636	0.686
AJLTM2008-221Y	220	3.0	144.2	0.13	20.066	8.89	0.686
AJLTM2008-271Y	270	2.8	172.6	0.14	20.066	8.89	0.686
AJLTM2008-331Y	330	2.7	206.0	0.16	20.066	8.89	0.686
AJLTM2008-391Y	390	2.1	266.7	0.27	19.304	8.382	0.559
AJLTM2008-471Y	470	2.0	314.4	0.29	20.066	8.89	0.559
AJLTM2008-561Y	560	1.9	366.8	0.32	20.066	8.89	0.559
AJLTM2008-681Y	680	1.8	435.1	0.35	20.066	8.89	0.559
AJLTM2008-821Y	821	1.7	512.0	0.39	20.574	9.398	0.559
AJLTM2008-102Y	1000	1.6	608.2	0.43	20.574	9.398	0.559



Toroidal Coil Inductors

Electrical characteristics:

Design as Customer's Requested Specifications.

Part Number	Inductance L0(uH) +/-15% 10KHz 0.1V	Rated current I _{dc} :(A)	Inductance L _{idc} (uH) +/-15% 10KHz 0.1V	DCR Max(Ω)	Dim.A (mm)	Dim.B (mm)	Dim.C (mm)
AJLTF1506-1R2M	1.2	20.2	0.86	0.0022	15.24	8.89	1.5
AJLTF1506-3R3M	3.3	11.1	2.5	0.0067	14.73	8.38	1.067
AJLTF1506-3R9M	3.9	10.5	3.0	0.0074	14.73	8.38	1.067
AJLTF1506-4R7M	4.7	10.1	3.5	0.0077	14.73	8.38	1.067
AJLTF1506-5R6M	5.6	9.7	4.0	0.0084	14.73	8.38	1.067
AJLTF1506-6R8M	6.8	7.2	5.7	0.013	14.22	7.87	0.864
AJLTF1506-8R2M	8.2	7.0	6.4	0.014	14.22	7.87	0.864
AJLTF1506-100M	10	6.6	7.9	0.015	14.22	7.87	0.864
AJLTF1506-120M	12	6.4	8.7	0.016	14.22	7.87	0.864
AJLTF1506-150M	15	4.7	12.4	0.029	13.46	7.37	0.686
AJLTF1506-180M	18	4.5	14.5	0.032	13.46	7.37	0.686
AJLTF1506-220M	22	4.3	16.7	0.035	13.46	7.37	0.686
AJLTF1506-270M	27	4.1	20.4	0.039	13.46	7.37	0.686
AJLTF1506-330M	33	3.5	25.4	0.054	13.46	7.37	0.686
AJLTF1506-390M	39	3.3	29.9	0.059	13.46	7.37	0.686
AJLTF1506-470M	47	3.2	34.6	0.064	13.46	7.37	0.686
AJLTF2008-181Y	180	3.1	113.1	0.11	19.56	8.64	0.686
AJLTF2008-221Y	220	3.0	134.4	0.12	19.56	8.64	0.686
AJLTF2008-271Y	270	2.8	181.6	0.21	19.30	8.38	0.56
AJLTF2008-331Y	330	2.7	216.3	0.23	19.30	8.38	0.56
AJLTF2008-391Y	390	2.1	250.1	0.25	19.30	8.38	0.56
AJLTF2008-471Y	470	2.0	293.8	0.28	19.30	8.89	0.56
AJLTF2008-561Y	560	1.9	341.5	0.3	20.07	8.89	0.56
AJLTF2008-681Y	680	1.8	403.2	0.33	20.07	8.89	0.56
AJLTF2008-821Y	821	1.7	472.8	0.37	20.07	8.89	0.56
AJLTF2008-102Y	1000	1.6	559.2	0.40	20.57	9.40	0.56



Toroidal Coil Inductors

Electrical characteristics:

Design as Customer's Requested Specifications.

Part Number	Inductance L ₀ (uH) +/-15% 10KHz 0.1V	Rated current I _{dc} :(A)	Inductance L _{idc} (uH) +/-15% 10KHz 0.1V	DCR Max(Ω)	Dim.A (mm)	Dim.B (mm)	Dim.C (mm)
AJLTS2510-8R2Y	8.2	15.1	5.1	0.005	26.67	11.94	1.35
AJLTS2510-100Y	10	14.3	6.0	0.006	26.67	11.94	1.35
AJLTS2510-120Y	12	14.2	6.9	0.006	26.67	11.94	1.35
AJLTS2510-150Y	15	13.6	8.3	0.007	26.67	11.94	1.35
AJLTS2510-180Y	18	13.1	9.7	0.007	26.67	11.94	1.35
AJLTS2510-220Y	22	12.6	11.5	0.008	26.67	11.94	1.35
AJLTS2510-270Y	27	11.8	13.5	0.009	26.67	11.94	1.35
AJLTS2510-330Y	33	11.1	15.7	0.010	26.67	11.94	1.35
AJLTS2510-390Y	39	10.8	18.1	0.011	26.67	11.94	1.35
AJLTS2510-470Y	47	10.3	20.9	0.012	26.67	11.94	1.35
AJLTS2510-560Y	56	9.8	23.9	0.013	26.67	11.94	1.35
AJLTS2510-680Y	68	7.6	33.9	0.022	26.16	11.43	1.067
AJLTS2510-820Y	82	7.1	39.0	0.024	26.16	11.43	1.067
AJLTS2510-101Y	100	6.8	45.6	0.027	26.16	11.43	1.067
AJLTS2510-121Y	120	5.1	63.4	0.047	25.65	10.92	0.86
AJLTS2510-151Y	150	4.9	76.0	0.052	25.65	10.92	0.86
AJLTS2510-181Y	180	4.7	88.5	0.057	25.65	10.92	0.86
AJLTS2510-221Y	220	4.4	1.3.1	0.063	25.65	10.92	0.86
AJLTS2510-271Y	270	4.2	121.1	0.070	25.65	10.92	0.86
AJLTS2510-331Y	330	4.0	141.9	0.077	25.65	10.92	0.86
AJLTS2510-391Y	390	3.8	161.2	0.084	25.65	10.92	0.86
AJLTS2510-471Y	470	3.7	185.7	0.092	25.65	10.92	0.86
AJLTS2510-561Y	560	3.5	212.0	0.101	25.65	10.92	0.86
AJLTS2510-681Y	680	2.7	307.6	0.176	25.15	11.94	0.686
AJLTS2510-821Y	821	2.5	355.5	0.194	25.15	11.94	0.686
AJLTS2510-102Y	1000	2.4	412.5	0.13	25.15	11.94	0.686