

MOLDED UNSHIELDED RF COILS

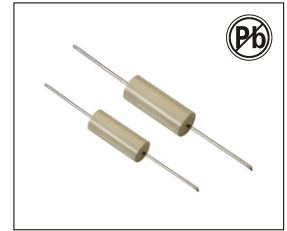
LTM0409 SERIES

FEATURES:

- Wire-wound Construction
- High Reliability
- Axial lead fixed inductors
- Moulded Polypropylene

CORE:

- Phenolic core up to 4.7 μ H
- Iron core above 4.7 μ H



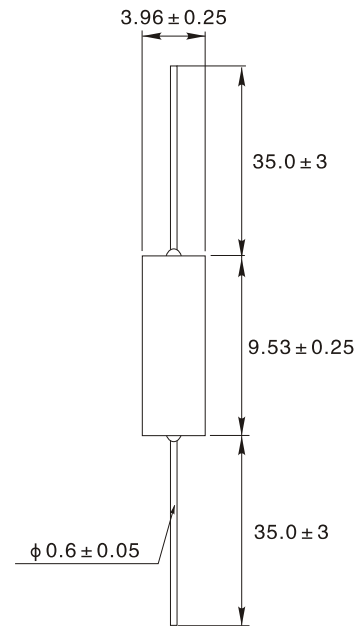
ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L0(μ H)	Q		SRF(MHz) Typ	DCR Max. (Ω).	Rated current(mA)
		Min	@ MHz			
LTM0409-R15M	0.15	50	25	525	0.03	2740
LTM0409-R22M	0.22	50	25	450	0.055	2020
LTM0409-R33M	0.33	45	25	360	0.09	1580
LTM0409-R47M	0.47	45	25	310	0.12	1370
LTM0409-R56K	0.56	50	25	280	0.135	1290
LTM0409-R68K	0.68	50	25	250	0.15	1220
LTM0409-R82K	0.82	50	25	220	0.22	1020
LTM0409-1R0K	1.00	50	25	200	0.29	880
LTM0409-1R2K	1.20	33	7.9	180	0.42	730
LTM0409-1R5K	1.50	33	7.9	160	0.50	670
LTM0409-1R8K	1.80	33	7.9	150	0.65	590
LTM0409-2R2K	2.20	33	7.9	135	0.95	485
LTM0409-2R7K	2.70	33	7.9	120	1.20	430
LTM0409-3R3K	3.30	33	7.9	110	2.00	335
LTM0409-3R9K	3.90	33	7.9	100	2.30	310
LTM0409-4R7K	4.70	33	7.9	90	2.60	294
LTM0409-5R6K	5.60	45	7.9	60	0.32	565
LTM0409-6R8K	6.80	50	7.9	55	0.50	450
LTM0409-8R2K	8.20	50	7.9	50	0.60	410
LTM0409-100K	10.0	55	7.9	45	0.90	335
LTM0409-120K	12.0	65	2.5	42	1.10	305
LTM0409-150K	15.0	65	2.5	40	1.40	271
LTM0409-180K	18.0	75	2.5	34	2.25	213
LTM0409-220K	22.0	75	2.5	30	2.50	202
LTM0409-240J	24.0	60	2.5	26	2.50	202
LTM0409-270K	27.0	60	2.5	25	2.60	198
LTM0409-270J	27.0	60	2.5	25	2.60	198
LTM0409-300J	30.0	65	2.5	21	2.80	191
LTM0409-330K	33.0	65	2.5	19	3.00	185
LTM0409-330J	33.0	65	2.5	19	3.00	185
LTM0409-360J	36.0	60	2.5	15.5	2.50	202
LTM0409-390J	39.0	60	2.5	14.5	2.60	198
LTM0409-430J	43.0	60	2.5	13.7	2.7	194
LTM0409-470J	47.0	55	2.5	13.0	2.75	193
LTM0409-510J	51.0	55	2.5	12.7	2.85	189
LTM0409-560J	56.0	55	2.5	12.0	3.0	184
LTM0409-620J	62.0	55	2.5	11.5	3.15	180
LTM0409-680J	68.0	55	2.5	11.0	3.3	176
LTM0409-750J	75.0	55	2.5	10.5	3.7	166
LTM0409-820J	82.0	50	2.5	10.3	3.9	162
LTM0409-910J	91.0	50	2.5	10.0	4.3	154
LTM0409-101J	100.0	50	2.5	9.5	4.5	151
LTM0409-111J	110.0	60	0.79	8.9	4.9	144
LTM0409-121J	120.0	65	0.79	8.7	5.2	140
LTM0409-131J	130.0	65	0.79	8.5	5.45	137
LTM0409-151J	150.0	65	0.79	8.0	6.05	130
LTM0409-161J	160.0	65	0.79	7.5	6.40	126
LTM0409-181J	180.0	65	0.79	7.0	6.75	123
LTM0409-201J	200.0	65	0.79	6.5	7.10	120
LTM0409-221J	220.0	65	0.79	6.2	7.45	117
LTM0409-241J	240.0	65	0.79	5.9	7.80	115

Note: J= \pm 5%,K= \pm 10%,M= \pm 20%

SIZE:

Dimensions(mm)



WINDING:



NOTES:

Core

0~4.7 μ H: Phenolic core

4.7~240 μ H: Iron core

Current rating at 90°C ambient

0~4.7 μ H: 35°C Rise

4.7 μ H~240 μ H: 15°C Rise

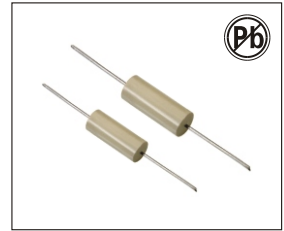
Operating temperature range

0~4.7 μ H: -55°C to +125°C

4.7 μ H~240 μ H: -55°C to 105°C

MOLDED UNSHIELDED RF COILS

LTM0511 SERIES



FEATURES:

- Wire-wound Construction
- High Reliability
- Axial lead fixed inductors
- Moulded Polypropylene

CORE:

- Thermoset plastic core up to 0.68 μ H
- Ferrite core above 0.68 μ H

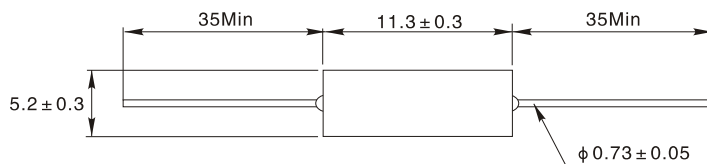
ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L0(μ H)	Q		SRF(MHz) Typ	DCR Typ. (Ω).	Rated current(A)
		Typ	@ MHz			
LTM0511-R10K	0.1	65	25	400	0.025	3.0
LTM0511-R15K	0.15	65	25	400	0.035	2.5
LTM0511-R22K	0.22	55	25	400	0.045	2.0
LTM0511-R33K	0.33	55	25	350	0.055	2.0
LTM0511-R47K	0.47	55	25	320	0.07	1.7
LTM0511-R68K	0.68	45	15	290	0.09	1.5
LTM0511-1R0K	1.0	45	15	190	0.04	2.2
LTM0511-1R5K	1.5	65	8	155	0.05	2.0
LTM0511-2R2K	2.2	60	8	130	0.06	1.8
LTM0511-3R3K	3.3	50	8	110	0.07	1.7
LTM0511-4R7K	4.7	50	8	95	0.12	1.3
LTM0511-6R8K	6.8	60	8	85	0.22	1.0
LTM0511-100K	10	50	8	65	0.35	0.75
LTM0511-150K	15	55	2.5	55	0.6	0.6
LTM0511-220K	22	65	2.5	45	1.1	0.43
LTM0511-330K	33	85	2.5	35	2.0	0.3
LTM0511-470K	47	70	2.5	20	2.5	0.27
LTM0511-680K	68	65	2.5	16	3.0	0.25
LTM0511-101K	100	65	1.5	14	4.0	0.22
LTM0511-151K	150	80	0.8	9.5	5.8	0.23
LTM0511-221K	220	80	0.8	8.0	7.3	0.2
LTM0511-331K	330	80	0.8	9.5	12	0.16
LTM0511-471K	470	80	0.8	6.5	20	0.12
LTM0511-681K	680	85	0.8	5.0	24	0.11
LTM0511-102K	1000	85	0.8	3.0	30	0.1

Note: J= \pm 5%,K= \pm 10%,M= \pm 20%

SIZE & WINDING:

Dimensions(mm)



NOTES:

- Core
 0~0.68 μ H: Thermoset plastic core
 0.68~1000 μ H: Ferrite core
 Coating: Moulded polypropylene
 Working temperature: -55 $^{\circ}$ C to +85 $^{\circ}$ C ambient
 Rated current max: Maximum current at 85 $^{\circ}$ C ambient