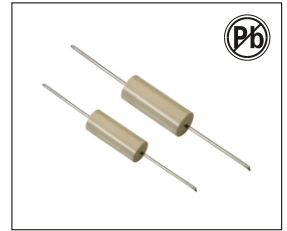


# MOLDED UNSHIELDED RF COILS

## LTM0511 SERIES



### FEATURES:

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

### CORE:

- Thermoset plastic core up to 0.68  $\mu$  H
- Ferrite core above 0.68  $\mu$  H

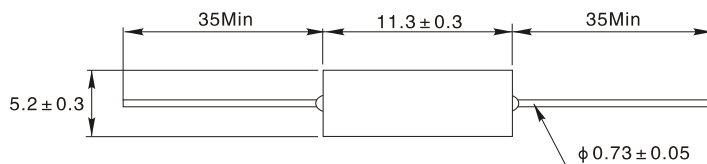
### ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L0( $\mu$ H)	Q		SRF(MHz) Typ	DCR Typ. ( $\Omega$ ).	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 $\mu$ H: Thermoset plastic core  
 0.68~1000 $\mu$ H: Ferrite core  
 Coating: Moulded polypropylene  
 Working temperature: -55°C to +85°C ambient  
 Rated current max: Maximum current at 85°C ambient