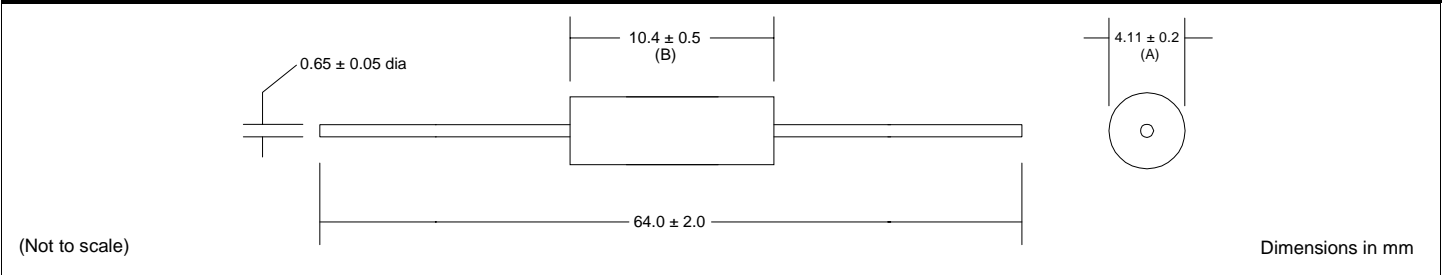
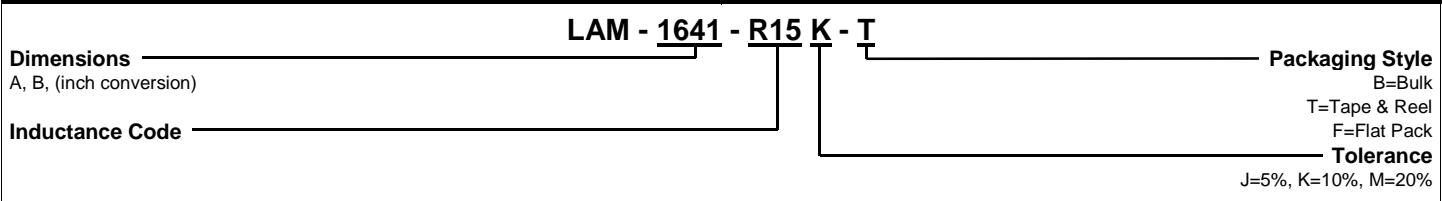


# Axial Molded Inductor (LAM-1641 Series)

## Dimensions



## Part Numbering Guide



## Features

<b>Inductance Range</b>	0.15 $\mu$ H to 1000 $\mu$ H
<b>Tolerance</b>	5%, 10%, 20%
<b>Operating Temperature</b>	-20°C to +80°C
<b>Construction</b>	Unshielded Molded Epoxy
<b>Core Material (0.15 <math>\mu</math>H to 4.70 <math>\mu</math>H)</b>	Phenolic
<b>Core Material (5.60 <math>\mu</math>H to 1000 <math>\mu</math>H)</b>	Ferrite
<b>Dielectric Strength</b>	1000 Volts RMS

## Electrical Specifications

L Code	L ( $\mu$ H)	Q Min	Test Freq (MHz)	SRF Min (MHz)	RDC Max (Ohms)	IDC Max (mA)	L Code	L ( $\mu$ H)	Q Min	Test Freq (MHz)	SRF Min (MHz)	RDC Max (Ohms)	IDC Max (mA)
R15	0.15	50	25.2	525	0.03	2740	180	18.0	75	2.52	34	2.25	213
R22	0.22	50	25.2	450	0.055	2020	220	22.0	75	2.52	30	2.5	202
R33	0.33	45	25.2	360	0.09	1580	270	27.0	60	2.52	25	2.6	108
R47	0.47	45	25.2	310	0.12	1370	330	33.0	65	2.52	19	3	185
R56	0.56	50	25.2	280	0.135	1290	390	39.0	60	2.52	14.5	2.6	198
R68	0.68	50	25.2	250	0.15	1220	470	47.0	55	2.52	13	2.8	193
R82	0.82	50	25.2	220	0.22	1020	560	56.0	55	2.52	12	3	184
1R0	1.00	30	25.2	200	0.29	880	680	68.0	55	2.52	11	3.3	176
1R2	1.20	33	7.96	180	0.42	730	820	82.0	50	2.52	10.3	3.9	162
1R5	1.50	33	7.96	160	0.50	670	101	100	50	2.52	9.5	4.5	151
1R8	1.80	33	7.96	150	0.65	590	121	120	65	0.796	8.7	5.2	140
2R2	2.20	33	7.96	135	0.95	485	151	150	65	0.796	8	6.05	130
2R7	2.70	33	7.96	120	1.20	430	181	180	65	0.796	8	6.05	130
3R3	3.30	33	7.96	110	2.00	335	221	220	65	0.796	6.2	7.45	117
3R9	3.90	33	7.96	100	2.3	310	271	270	65	0.796	5.7	11	143
4R7	4.70	33	7.96	90	2.6	294	331	330	65	0.796	5.1	12	136
5R6	5.60	45	7.96	60	0.32	565	391	390	65	0.796	4.5	16	117
6R8	6.80	50	7.96	55	0.5	450	471	470	65	0.796	3.9	17.9	112
8R2	8.20	50	7.96	50	0.6	410	561	560	65	0.796	3.8	19.5	107
100	10.0	55	7.96	45	0.9	335	681	680	65	0.796	3.1	27	91
120	12.0	65	2.52	42	1.1	305	821	820	65	0.796	2.7	30	86
150	15.0	65	2.52	40	1.4	271	102	1000	65	0.796	2.3	33	82

Specifications subject to change without notice. Rev. 10/00