

FIXED INDUCTORS / AL TYPE

FEATURES

- ◆ Coating epoxy resin that ensures the humidity resistance to be long lift.
- ◆ Contribute to be high Q and self-resonant frequencies.

APPLICATIONS

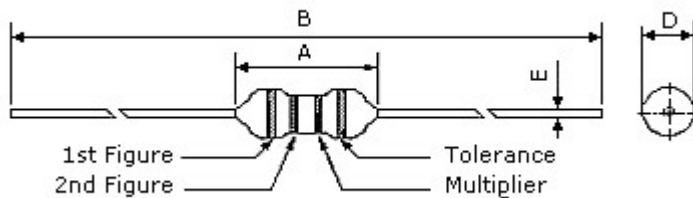
- ◆ Communication modules.
- ◆ Computing devices.
- ◆ Various categories of consumer electronics.



ORDERING CODE

AL	0307	-6R8	□	
				Tolerance (J:±5%, K:±10%, M:±20%)
				Inductance
				Dimension
				Product Symbol

DIMENSIONS (UNIT: mm)



A	8.0 (MAX)	m/m
B	62.0 ± 2.0	m/m
D	3.0 (MAX)	m/m
E	0.55 ± 0.05	m/m



CORE MASTER ENTERPRISE CO., LTD.

<http://www.coremaster.com.tw>

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ELECTRICAL CHARACTERISTICS FOR AL0307

Part No.	Inductance (uH)	Quality Factor (Min)	Test Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
AL 0307-1R0 K	1.0	40	25.2	180	0.15	700
AL 0307-1R2 K	1.2	40	7.96	165	0.18	740
AL 0307-1R5 K	1.5	40	7.96	150	0.20	700
AL 0307-1R8 K	1.8	50	7.96	125	0.23	655
AL 0307-2R2 K	2.2	50	7.96	110	0.25	630
AL 0307-2R7 K	2.7	50	7.96	95	0.28	595
AL 0307-3R3 K	3.3	50	7.96	70	0.30	575
AL 0307-3R9 K	3.9	50	7.96	65	0.32	555
AL 0307-4R7 K	4.7	50	7.96	50	0.35	530
AL 0307-5R6 K	5.6	50	7.96	40	0.40	500
AL 0307-6R8 K	6.8	50	7.96	30	0.45	470
AL 0307-8R2 K	8.2	50	7.96	28	0.56	425
AL 0307-100 K	10	50	7.96	22	0.75	370
AL 0307-120 K	12	50	2.52	20	0.80	350
AL 0307-150 K	15	50	2.52	16	0.93	335
AL 0307-180 K	18	50	2.52	15	1.00	315
AL 0307-220 K	22	50	2.52	13	1.20	285
AL 0307-270 K	27	50	2.52	11	1.80	270
AL 0307-330 K	33	50	2.52	10	2.10	255
AL 0307-390 K	39	50	2.52	9.5	2.30	240
AL 0307-470 K	47	50	2.52	8.5	2.60	205
AL 0307-560 K	56	50	2.52	7.5	2.90	195
AL 0307-680 K	68	50	2.52	6.5	3.30	185
AL 0307-820 K	82	50	2.52	6.0	3.80	175
AL 0307-101 K	100	50	2.52	5.5	4.20	165
AL 0307-121 K	120	60	0.796	5.4	4.70	160
AL 0307-151 K	150	60	0.796	4.7	5.40	150
AL 0307-181 K	180	60	0.796	4.3	6.00	140
AL 0307-221 K	220	60	0.796	4.0	7.00	130
AL 0307-271 K	270	60	0.796	3.7	7.70	120
AL 0307-331 K	330	60	0.796	3.4	11.1	100
AL 0307-391 K	390	60	0.796	2.8	12.6	95
AL 0307-471 K	470	60	0.796	2.5	14.0	90
AL 0307-561 K	560	60	0.796	2.3	15.5	85
AL 0307-681 K	680	60	0.796	2.0	25.3	75
AL 0307-821 K	820	60	0.796	1.5	27.5	65
AL 0307-102 K	1000	50	0.796	1.2	31.4	60



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