

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

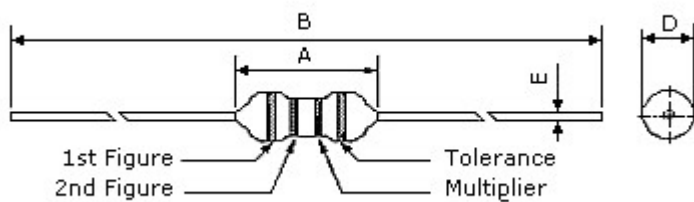
- ◆ Communication modules.
- ◆ Computing devices.
- ◆ Various categories of consumer electronics.



ORDERING CODE

AL	0510	-6R8	□	
				Tolerance (J:±5%, K:±10%, M:±20%)
				Inductance
				Dimension
				Product Symbol

DIMENSIONS (UNIT: mm)



A	12.0 (MAX)	m/m
B	62.0 ± 2.00	m/m
D	5.00 (MAX)	m/m
E	0.65 ± 0.05	m/m



CORE MASTER ENTERPRISE CO., LTD.

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ELECTRICAL CHARACTERISTICS FOR AL0510

Part No.	Inductance (uH)	Quality Factor (Min)	Test Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
AL 0510-102 K	1000	80	252	1.30	8	120
AL 0510-122 K	1200	80	252	1.30	9	110
AL 0510-152 K	1500	80	252	1.30	10	100
AL 0510-182 K	1800	80	252	1.20	11	90
AL 0510-222 K	2200	80	252	1.10	14	80
AL 0510-272 K	2700	80	252	0.85	18	75
AL 0510-332 K	3300	80	252	0.74	22	65
AL 0510-392 K	3900	80	252	0.70	26	60
AL 0510-472 K	4700	80	252	0.66	32	55
AL 0510-562 K	5600	70	252	0.64	34	50
AL 0510-682 K	6800	70	252	0.58	45	45
AL 0510-822 K	8200	50	252	0.50	60	40
AL 0510-103 K	10000	50	252	0.48	70	38
AL 0510-123 K	12000	50	252	0.46	82	35
AL 0510-153 K	15000	50	252	0.40	89	32
AL 0510-183 K	18000	40	79.6	0.37	140	28
AL 0510-223 K	22000	40	79.6	0.33	170	25
AL 0510-273 K	27000	40	79.6	0.28	210	23
AL 0510-303 K	30000	40	79.6	0.26	240	22
AL 0510-333 K	33000	40	79.6	0.25	250	20
AL 0510-393 K	39000	40	79.6	0.24	270	16



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