

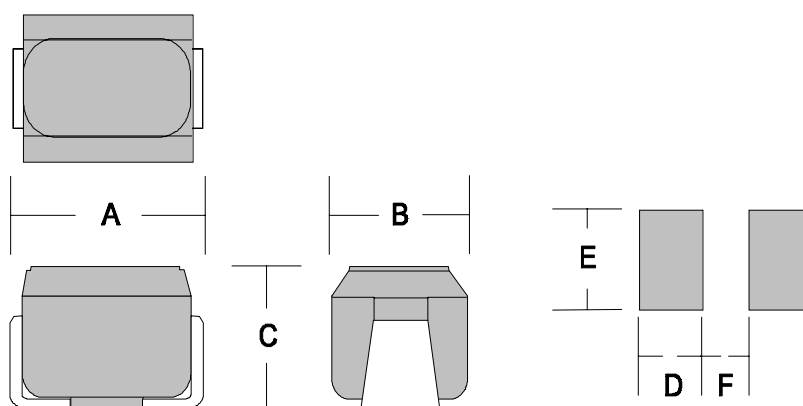
ECM56T Series

- Standard EIA 2220 package
- High Current Handling
- Wire-wound Construction
- Ferrite Core
- Fully Encapsulated
- Typical Reel Size 500pcs



The ECM56T range of chip coils have a higher current ratings than many other encapsulated SMD inductors. A uniquely high quality of operation is maintained, with excellent mechanical and electrical characteristics. This popular EIA 2220 package offers excellent workability as well as reliability making it suitable for a diverse range of applications including, VCD, DVD, Automotive security, Personal computer displays and other similar applications.

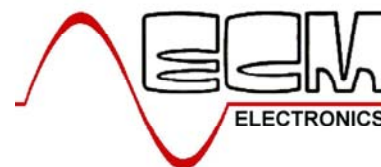
COMPONENT OUTLINE



DIMENSIONS (mm)

A	B	C	D	E	F
5.60	5.00	5.00	2.00	4.50	4.00

ECM 2220 SMD Chip Inductor



ECM Part	L (μH)	Tol %	Q Min. (**MHz)	SRF Min. (MHz)	R_{DC} MAX (Ω)	I_{DC} I_N (mA)
ECM56T-1R0	1.0 @7.96MHz	K	10	95	0.03	1800
ECM56T-1R2	1.2 @7.96MHz	K	10	70	0.03	1700
ECM56T-1R5	1.5 @7.96MHz	K	10	55	0.04	1600
ECM56T-1R8	1.8 @7.96MHz	K	10	47	0.05	1400
ECM56T-2R2	2.2 @7.96MHz	K	10	42	0.06	1300
ECM56T-2R7	2.7 @7.96MHz	K	10	37	0.07	1200
ECM56T-3R3	3.3 @7.96MHz	K	10	34	0.08	1120
ECM56T-3R9	3.9 @7.96MHz	K	10	32	0.09	1050
ECM56T-4R7	4.7 @7.96MHz	K	10	29	0.11	950
ECM56T-5R6	5.6 @7.96MHz	K	10	26	0.13	880
ECM56T-6R8	6.8 @7.96MHz	K	10	24	0.15	810
ECM56T-8R2	8.2 @7.96MHz	K	10	22	0.18	750
ECM56T-100	10 @2.52MHz	K	10	19	0.21	690
ECM56T-120	12 @2.52MHz	K	10	17	0.25	630
ECM56T-150	15 @2.52MHz	K	10	16	0.30	580
ECM56T-180	18 @2.52MHz	K	10	14	0.36	530
ECM56T-220	22 @2.52MHz	K	10	13	0.43	480
ECM56T-270	27 @2.52MHz	K	10	11.5	0.52	440
ECM56T-330	33 @2.52MHz	K	10	10.5	0.62	400
ECM56T-390	39 @2.52MHz	K	10	9.5	0.72	370
ECM56T-470	47 @2.52MHz	K	10	8.5	0.85	340
ECM56T-560	56 @2.52MHz	K	10	7.8	1.00	310
ECM56T-680	68 @2.52MHz	K	10	7.0	1.20	290
ECM56T-820	82 @2.52MHz	K	10	6.4	1.40	270
ECM56T-101	100 @0.796MHz	K	20	6.0	1.60	250
ECM56T-121	120 @0.796MHz	K	20	5.4	1.90	230
ECM56T-151	150 @0.796MHz	K	20	4.8	2.20	210
ECM56T-181	180 @0.796MHz	K	20	4.4	2.80	190
ECM56T-221	220 @0.796MHz	K	20	3.9	3.40	170
ECM56T-271	270 @0.796MHz	K	20	3.6	4.20	155
ECM56T-331	330 @0.796MHz	K	20	3.2	4.90	140
ECM56T-391	390 @0.796MHz	K	20	2.9	5.80	130
ECM56T-471	470 @0.796MHz	K	20	2.6	7.00	120
ECM56T-561	560 @0.796MHz	K	20	2.4	8.50	110
ECM56T-681	680 @0.796MHz	K	20	2.2	10	100
ECM56T-821	820 @0.796MHz	K	20	2.0	13	90
ECM56T-102	1000 @0.252MHz	K	20	1.8	15	85

TOLERANCES J=5%; K=10%.

**** = Test Frequency as specified in 'L' column**

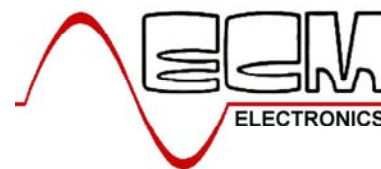
ECM	L	Tol	Q Min.	SRF	R_{DC}	I_{DC}
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Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.

Issue 1

ECM 2220 SMD Chip Inductor



Part	(μH)	%	(**MHz)	Min. (MHz)	MAX (Ω)	I_N (mA)
ECM56T-122	1200@0.252MHz	K	30	1.5	17	75
ECM56T-152	1500@0.252MHz	K	30	1.4	20	70
ECM56T-182	1800@0.252MHz	K	30	1.3	30	60
ECM56T-222	2200@0.252MHz	K	30	1.2	35	55
ECM56T-272	2700@0.252MHz	K	30	1.1	55	45
ECM56T-332	3300@0.252MHz	K	30	1.0	60	40
ECM56T-392	3900@0.252MHz	K	30	1.0	70	38
ECM56T-472	4700@0.252MHz	K	30	0.9	78	36
ECM56T-562	5600@0.252MHz	K	30	0.8	85	33
ECM56T-682	6800@0.252MHz	K	30	0.7	110	30
ECM56T-822	8200@0.252MHz	K	30	0.6	125	28
ECM56T-103	10000@79.60kHz	K	20	0.5	150	25

TOLERANCES J=5%; K=10%.

**** = Test Frequency as specified in 'L' column**