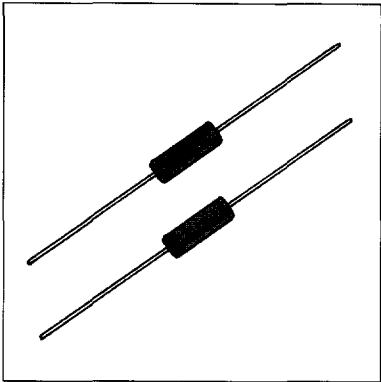


Key features

- values from 0.1µH to 100mH
- components insulated or shielded
- 0.25 watts at 70°C
- flame retardant
- versatile size
- fully protected from environment
- E12 value grid
- established reliability



Specification

Ratings and Characteristics

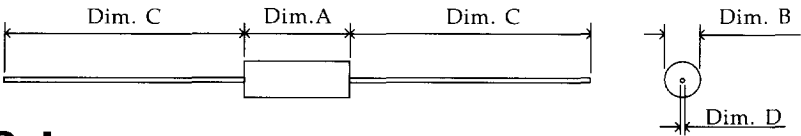
Inductance Range: See Table - E12 Grid (Non-standard values available to special order)
Selection Tolerance: ±10%
Power Rating at 70°C: 0.33W (C20M) / 0.25W (C30M) / 0.20W (C40S)
Isolation Voltage: 700V DC or AC peak
Limits of Inductance Change: ±5% after 1000 hours endurance
Climatic Category: 55/100/21

Approvals

The type C30M Series is designed and built to meet BS9751 N0001 Pattern A.
The type C20M Series is designed to meet Military Applications.
This series no longer enjoys BS release but is sold under Meggitt ISO9001 approval.

Dimensions

Type	Variable Dimensions			
	A max.	B max.	C min.	D
C20	9.6mm	3.3mm	30.0mm	0.5mm
C30	7.0mm	2.7mm	25.0mm	0.5mm
C40	11.0mm	4.6mm	30.0mm	0.6mm



How To Order

Type	Part Number	Suffix Std.	Inductance Value - µH	Test Freq. MHz	Q Factor Min.	Min. SRF MHz	Max. DC Res. at 20°C	Direct Current at 70° - Max. mA
C20M	406/8/27484/	001	0.10	25	30	700	0.095	1670
C20M		002	0.15	25	30	570	0.075	1740
C20M		003	0.22	25	35	480	0.12	1400
C20M		004	0.33	25	35	400	0.155	1225
C20M		005	0.47	25	40	280	0.27	925
C20M		006	0.68	25	40	250	0.39	815
C20M		007	1.0	25	35	165	0.21	1040
C20M		008	1.5	7.9	35	150	0.155	1225
C20M		009	2.2	7.9	35	130	0.275	913
C20M		010	3.3	7.9	40	100	0.34	815
C20M		011	4.7	7.9	40	85	0.58	622
C20M		012	6.8	7.9	45	68	1.08	457
C20M		013	10	7.9	45	53	1.90	344
C20M		014	15	2.5	40	44	2.90	278
C20M		015	22	2.5	35	36	5.20	209
C20M		016	33	2.5	55	33	3.75	246
C20M		017	47	2.5	55	30	6.80	187
C20M		018	68	2.5	50	10	6.85	183
C20M		019	100	2.5	50	8.0	7.60	173

type C series

Meggitt Electronics quality and reliability are gauranteed in this range of insulated and shielded RF Inductors. The insulated range has a self-extinguishing polyolefin sleeve. Their small size make them ideal for use when space is at a premium. And they are also fully protected from environmental factors.

PCB Inductors

sales action desk (01793) 611666
sales fax line (01793) 511513

Type	Part Number	Suffix	Inductance Value - μ H	Test Freq. MHz	Q Factor Min.	Min. SRF MHz	Max. DC Res. at 20°C	Direct Current at 70° - Max. mA
C20M		020	150	0.79	50	6.0	8.75	159
C20M		021	220	0.79	50	5.5	12.0	140
C20M		022	330	0.79	50	4.0	14.0	126
C20M		023	470	0.79	50	3.5	18.0	113
C20M		024	680	0.79	50	2.8	22.5	102
C20M		025	1000	0.79	42	2.5	68.0	57
C30M	406/8/27521/	001	0.10	25	35	625	0.08	1240
C30M		002	0.12	25	35	590	0.09	1170
C30M		003	0.15	25	35	550	0.10	1110
C30M		004	0.18	25	35	500	0.12	1010
C30M		005	0.22	25	33	470	0.14	940
C30M		006	0.27	25	33	400	0.16	880
C30M		007	0.33	25	30	380	0.22	750
C30M		008	0.39	25	30	350	0.30	640
C30M		009	0.47	25	30	310	0.35	590
C30M		010	0.56	25	30	280	0.50	495
C30M		011	0.68	25	28	250	0.60	450
C30M		012	0.82	25	28	230	0.85	380
C30M		013	1.0	25	25	210	1.0	350
C30M		014	1.2	7.9	25	140	0.18	830
C30M		015	1.5	7.9	28	130	0.22	750
C30M		016	1.8	7.9	30	115	0.30	640
C30M		017	2.2	7.9	30	105	0.40	550
C30M		018	2.7	7.9	37	92	0.55	470
C30M		019	3.3	7.9	45	83	0.85	380
C30M		020	3.9	7.9	45	73	1.0	350
C30M		021	4.7	7.9	45	69	1.2	320
C30M		022	5.6	7.9	50	60	1.8	260
C30M		023	6.8	7.9	50	55	2.0	250
C30M		024	8.2	7.9	55	50	2.7	215
C30M		025	10	7.9	55	46	3.7	180
C30M		026	12	2.5	45	37	2.7	215
C30M		027	15	2.5	45	32	2.8	210
C30M		028	18	2.5	50	28	3.1	200
C30M		029	22	2.5	50	23	3.3	195
C30M		030	27	2.5	50	18	3.5	188
C30M		031	33	2.5	45	20	3.4	190
C30M		032	39	2.5	45	19	3.6	185
C30M		033	47	2.5	45	17	4.5	165
C30M		034	56	2.5	45	15	5.2	148
C30M		035	68	2.5	50	13	6.7	136
C30M		036	82	2.5	50	12	7.3	130
C30M		037	100	2.5	50	11	8.0	124
C30M		038	120	0.79	30	10	13.0	97
C30M		039	150	0.79	30	9.0	15.0	91
C30M		040	180	0.79	30	8.5	17.0	85
C30M		041	220	0.79	30	7.5	21.0	77
C30M		042	270	0.79	30	6.8	25.0	70
C30M		043	330	0.79	30	6.0	28.0	66
C30M		044	390	0.79	30	5.5	35.0	59
C30M		045	470	0.79	30	5.1	42.0	54
C30M		046	560	0.79	30	4.2	46.0	52
C30M		047	680	0.79	30	3.4	60.0	45
C30M		048	820	0.79	30	3.2	65.0	43
C30M		049	1000	0.79	30	2.9	72.0	41
C40S	406/8/27507/	001	1.0	25	44	140	0.70	1480
C40S		002	1.5	7.9	40	115	0.12	1130
C40S		003	2.2	7.9	40	100	0.19	900
C40S		004	3.3	7.9	40	85	0.35	660
C40S		005	4.7	7.9	40	70	0.55	525
C40S		006	6.8	7.9	45	55	1.02	385
C40S		007	10	7.9	50	46	1.62	305
C40S		008	15	2.5	45	49	0.80	435
C40S		009	22	2.5	45	41	0.96	400
C40S		010	33	2.5	45	34	1.37	335
C40S		011	47	2.5	50	27	2.11	269
C40S		012	68	2.5	50	21	2.70	237
C40S		013	100	2.5	50	8.5	3.12	221
C40S		014	150	0.79	55	7.2	4.1	193
C40S		015	220	0.79	55	6.3	5.0	175
C40S		016	330	0.79	55	5.5	6.4	154
C40S		017	470	0.79	60	4.8	9.5	127
C40S		018	680	0.79	60	3.8	11.8	114
C40S		019	1000	0.79	60	3.2	17.5	93
C40S		020	1500	0.25	45	1.2	26.5	76
C40S		021	2200	0.25	45	0.97	33.8	67
C40S		022	3300	0.25	45	0.84	53.0	54
C40S		023	4700	0.25	45	0.74	81.6	43
C40S		024	6800	0.25	40	0.66	111	37
C40S		025	10000	0.25	40	0.47	137	33.3
C40S		026	15000	0.079	30	0.29	157	31.2
C40S		027	22000	0.079	27	0.25	274	23.6
C40S		028	33000	0.079	27	0.19	343	21.2
C40S		029	47000	0.079	23	0.16	473	17.9
C40S		030	68000	0.079	23	0.13	580	16.2
C40S		031	100000	0.079	18	0.11	678	15.0

type C series

The type C40 are shielded inductors. Electrostatic and electromagnetic screening is provided by the magnetic enclosure. A wide range of values are available and the self extinguishing polyoefin sleeve enhances environmental protection. The C30 is the main stock type, values between 0.1 μ H and 1000 μ H are available ex stock.

PCB Inductors

Please Request Full Data
Sheet F0621