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MINIATURE HIGH CURRENT CHOKES

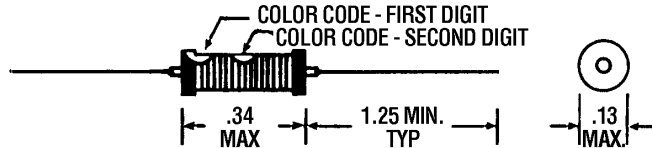
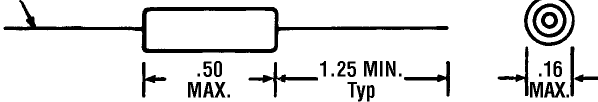
TYPE 7120

10µH-10mH 10% Tolerance
Recommended Mounting Pitch—.60"

TYPE 7130

(CONFORMALLY COATED VERSION)

#24 AWG BARE TINNED COPPER (Typ)



NOTES: (for both types)

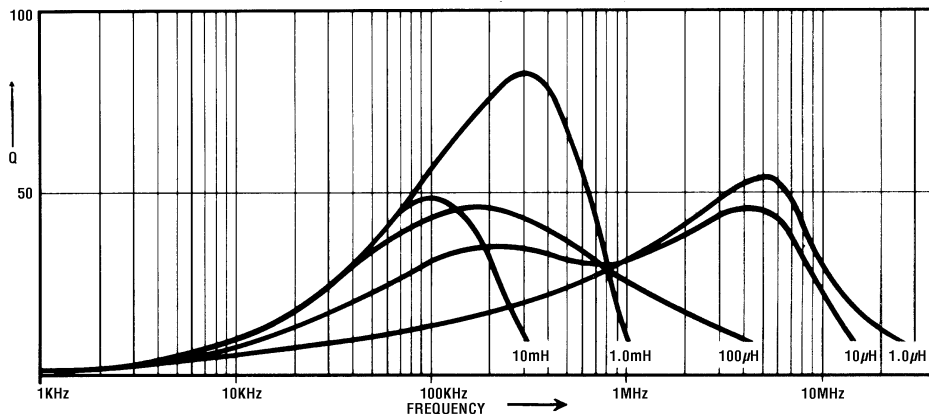
1. INDUCTANCE measured on QuadTech/GenRad 1659 RLC Digibridge at 1.0 KHz. (Value less than 10 µH are measured at 10 KHz).
2. CURRENT RATING (Rated IDC) is based on 0.2 watt power dissipation for approximately 20°C temperature rise. Depending on the application, these units may be operated at up to twice the rated current.
3. INCREMENTAL CURRENT (INCR 1) is the minimum current at which the inductance will be decreased by 5% from its initial (zero-DC) value because of saturation.
4. DIELECTRIC WITHSTANDING VOLTAGE: Type 7120-1000 VRMS
Type 7130-100 VRMS

5. OPERATING TEMPERATURE RANGE: -55° to +105°C.
6. MATERIALS: Coil Form: Ferrite
Cover: TYPE 7120 - Per MIL-I-23053/5, Class 1.
Flame Retardant IAW UL 224, Class 1.
TYPE 7130 - conformally coated with Polyurethane per MIL-I-46058
Magnet Wire: Per FED SPEC J-W-001177/9
7. MARKING: TYPE 7120 - Printed with part number
TYPE 7130 - Color coded per dash number using standard EIA color code.

STANDARD VALUES: (Electrical characteristics are identical for both types. Other values are available on special order.)

Dash No.	Nominal Inductance	Max. DCR Ohms	Min. SRF MHz	Rated IDC ma	INCR I ma	Dash No.	Nominal Inductance	Max DCR Ohms	Min. SRF MHz	Rated IDC ma	INCR I ma
-01	1.0 µH	.018	190	3300	3000	-26	120 µH	.90	3.6	470	270
-02	1.2	.019	170	3200	2700	-27	150	1.2	3.2	410	250
-03	1.5	.020	160	3100	2500	-28	180	1.4	2.8	380	220
-04	1.8	.023	150	2900	2100	-29	220	1.9	2.3	320	200
-05	2.2	.031	130	2600	2000	-30	270	2.1	2.1	310	180
-06	2.7	.033	120	2500	1900	-31	330	2.4	1.9	290	170
-07	3.3	.054	110	1900	1700	-32	390	3.0	1.7	260	150
-08	3.9	.060	100	1800	1500	-33	470	3.4	1.4	240	140
-09	4.7	.068	86	1700	1400	-34	560	4.7	1.3	210	130
-10	5.6	.074	64	1600	1300	-35	680	6.4	1.2	180	110
-11	6.8	.080	44	1600	1200	-36	820	7.1	1.1	170	100
-12	8.2	.087	32	1500	1100	-37	1.0 mH	7.9	1.0	160	95
-13	10	.095	25	1500	970	-38	1.2	9.0	.94	150	87
-14	12	.11	17	1400	880	-39	1.5	12	.76	130	78
-15	15	.15	13	1200	790	-40	1.8	14	.72	120	71
-16	18	.16	10	1100	710	-41	2.2	19	.64	100	64
-17	22	.19	8.4	1000	640	-42	2.7	25	.56	90	58
-18	27	.22	8.0	950	580	-43	3.3	29	.53	83	52
-19	33	.24	7.6	910	530	-44	3.9	34	.48	77	48
-20	39	.26	7.1	880	480	-45	4.7	37	.45	74	44
-21	47	.35	6.0	760	430	-46	5.6	50	.40	63	40
-22	56	.47	5.8	650	400	-47	6.8	58	.36	59	36
-23	68	.53	4.3	610	370	-48	8.2	68	.29	54	33
-24	82	.60	4.1	580	330	-49	10	75	.27	52	30
-25	100	.67	3.9	550	300						

TYPICAL Q CURVES (TYPE 7120/7130)



SEND YOUR REQUIREMENTS. PROMPT QUOTES.