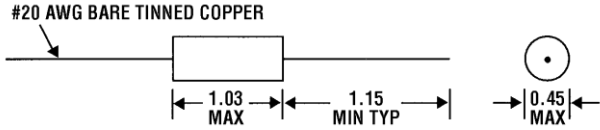




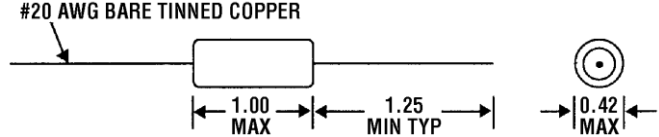
# HIGH CURRENT CHOKES

10  $\mu$ H-1.0 mH. 10% Tolerance  
Recommended Mounting Pitch—1.25"

TYPE 6870  
(EPOXY ENCAPSULATED VERSION)



TYPE 6880



NOTES: (for both types)

- INDUCTANCE measured on QuadTech/GenRad 1659 RLC Digibridge at 1.0 KHz.
- CURRENT RATING (Rated IDC) is based on 0.5 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.
- INCREMENTAL CURRENT (INCR I) is the minimum current at which the inductance will be decreased by 5% from its initial (zero-DC) value.

- DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS
- OPERATING TEMPERATURE RANGE: -55° to +105°C.
- Materials:

Coil Form: Ferrite

Cover: TYPE 6870 - Cover and Coating: Epoxy encapsulated.

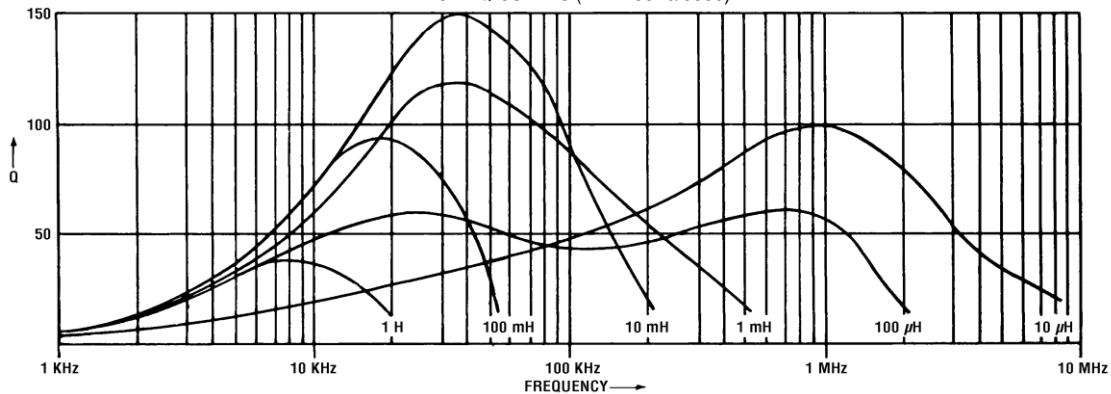
TYPE 6880 - Shrink Tube per MIL-I-23053/5, Class 1.  
Flame Retardant IAW UL 224, Class 1.

Magnet Wire: Per FED SPEC J-W-001177/9

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

Dash No.	Nominal Inductance	DCR $\pm$ 20% Ohms	Min. SRF MHz	Rated IDC ma	INCR I ma	Dash No.	Nominal Inductance	DCR $\pm$ 20% Ohms	Min. SRF MHz	Rated IDC ma	INCR I ma
-01	10 $\mu$ H	.023	45	4600	3200	-32	3.9 mH	3.8	.34	360	160
-02	12	.025	40	4500	2900	-33	4.7	4.3	.32	340	150
-03	15	.030	32	4100	2600	-34	5.6	5.6	.26	300	140
-04	18	.032	21	3900	2400	-35	6.8	6.3	.24	280	120
-05	22	.035	12	3700	2200	-36	8.2	8.6	.21	240	110
-06	27	.038	8.5	3600	2000	-37	10	9.7	.20	220	100
-07	33	.043	5.8	3400	1800	-38	12	11	.19	210	92
-08	39	.047	3.5	3200	1700	-39	15	15	.17	180	84
-09	47	.054	3.2	3000	1500	-40	18	20	.14	160	75
-10	56	.060	2.9	2900	1400	-41	22	24	.13	140	68
-11	68	.068	2.7	2700	1200	-42	27	26	.12	130	62
-12	82	.073	2.5	2600	1100	-43	33	35	.10	120	56
-13	100	.098	2.3	2300	1000	-44	39	38	.095	110	51
-14	120	.14	2.1	1900	930	-45	47	50	.080	100	47
-15	150	.18	1.9	1700	830	-46	56	55	.072	95	43
-16	180	.20	1.5	1600	760	-47	68	76	.066	81	39
-17	220	.28	1.3	1400	680	-48	82	86	.062	76	35
-18	270	.31	1.3	1300	620	-49	100	99	.057	71	32
-19	330	.35	1.2	1200	560	-50	120	110	.052	67	29
-20	390	.38	1.1	1100	510	-51	150	200	.047	50	26
-21	470	.44	1.0	1050	460	-52	180	220	.043	48	24
-22	560	.48	.90	1000	430	-53	220	300	.038	41	22
-23	680	.63	.80	890	390	-54	270	320	.035	40	20
-24	820	.87	.72	760	350	-55	330	420	.032	35	18
-25	1.0 mH	.96	.65	720	320	-56	390	480	.029	32	16
-26	1.2	1.3	.62	620	290	-57	470	670	.026	27	15
-27	1.5	1.4	.58	600	260	-58	560	730	.024	26	14
-28	1.8	1.7	.53	540	240	-59	680	870	.019	24	12
-29	2.2	2.3	.44	470	220	-60	820	950	.018	23	11
-30	2.7	2.6	.39	440	190	-61	1.0 H	1100	.017	21	10
-31	3.3	3.5	.36	380	180						

TYPICAL Q CURVES (TYPE 6870/6880)



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