RADIO FREQUENCY CHOKES

Frequency Selective R.F. Chokes

FIG. 1

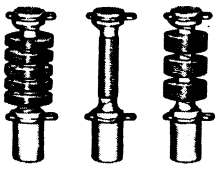
FIG. 2

Designed for maximum efficiency and highest impedance at specific operating frequencies this group of R.F. chokes eliminates the designer's task of attempting to choose the best coil for a particular application from miscellaneous and often insufficient design data. Designed to cover the major Amateur and Industrial communication frequencies.

Part No.	Inductance ±10%	Freq. Mc	Fig.
RFC-3.5	266 uh	1.8-5	1
RFC-7	208 uh	3-13	1
RFC-14	84 uh	7-20	1
RFC-21	38.5 uh	15-30	2
RFC-28	24 uh	25-40	2
RFC-50	8.2 uh	30-90	2
RFC-144	1.72 uh	75-180	2
RFC-220	.82 uh	160-340	2
RFC-420	.22 uh	350-500	2

The above R.F. Chokes have a conservative rating of 600 ma.

Ceramic Form R.F. Chokes



A series of high quality fixed coils wound on a silicone impregnated steatite form. The coils are the standoff type and are mounted by a single 6-32 screw. They find primary application in low power transmitters and associated equipment where relatively high current capacity and low distributed capacitance are important.

Form Dimensions: 11/16" Dia. x 1 15/16" long

Cat. Number	Inductance ± 5% @ 1000 Cycles	Ohms Max.	Rated Current
4552	0.25 mh.	9.6	150 ma.
4553	0.50 mh.	14.4	150 ma.
4554	1.0 mh.	20.4	150 ma.
4555	2.5 mh.	33.6	150 ma.
4556	5.0 mh.	54.0	150 ma.
4557	0.25 mh.	5.9	300 ma.
4558	0.50 mh.	8.1	300 ma.
4559	1.0 mh.	12.3	300 ma.
4560	2.5 mh.	21.3	300 ma.
4561	5.0 mh.	30.5	300 ma.

Ceramic Core R.F. Chokes

Miller ceramic core radio frequency chokes are the result of careful research and design, and present advantages found in no other comparable chokes. These chokes have extremely low distributed capacity.

Dimensions: (form) 1/4" diameter by 1 1/2" long. All chokes are impregnated with a moisture- and fungus-resistant varnish. Schematic No. 1.

Single Layer Wound Chokes

Part No.	uh.*	Ohms Max.	ma
4528-1	1	.036	300
4528	2.5	.108	300
4529	5	.300	300
4529-10	10	1.14	300

Progressive Wound Chokes

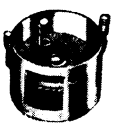
Part No.	uh.*	Ohms Max.	ma
4515	25	1.92	300
4517	50	2.52	300
4519	100	3.60	300

Multiple Pi Wound Chokes

Part No.	mh*	Ohms Max.	ma
4531-0	.25	9.6	200
4531	.5	14.4	200
4531-1	1	20.4	200
4532	1.5	25.2	200
4537	2.5	33.6	200
4538	5	50.4	125
4539	7.5	98.4	125
4540	10	114	125
4541	25	192	125

***TOLERANCE 0.1 TO 1.0 UH ± 20%, 1.1 TO 10 UH ± 10%, OVER 10 UH ± 5%**

Single Pi R.F. Chokes



These chokes are wound on either a ceramic dowel or powdered iron core as indicated. The choke windings are thoroughly impregnated to prevent moisture absorption. Inductance values are maintained to an accuracy of five per cent.

Dimensions: 1 1/8" diameter by 5/8" high.

Part No.	Mh.	Ohms Max.	Ma.	Item
610	.25	9.6	125	Unshielded Air Core R.F.C.
615	.5	14.4	125	" " "
620	.75	19.2	125	" " "
622	1.0	21.6	125	" " "
630	1.5	25.2	125	" " "
640	2.5	34.8	125	" " "
650	5.0	52.8	125	" " "
660	7.5	66.0	125	" " "
670	10	81.0	125	" " "
680	12.5	92.5	125	" " "
690	15	102	125	" " "
691	20	120	125	" " "
692	30	156	100	" " "
693	60	240	100	" " "
694	80	264	100	" " "
670-T	10	80.4	125	Unshielded Center Tapped Air Core R.F.C.
691-T	20	120	125	
693-T	60	240	100	

Dimensions: 1 1/4" diameter by 1 1/8" high. (Catalog No. 758 is 1 5/8" dia.)

751	.5	13.2	125	Shielded Air Core R.F.C.
752	1.0	20.4	125	" " "
753	2.5	33.6	125	" " "
754	5.0	54.0	125	" " "
755	7.5	69.6	125	" " "
756	10	86.4	125	" " "
757	25	156	125	" " "
758	50	228	100	" " "

Dimensions: 1 1/8" diameter by 5/8" high.

Part No.	Mh.	Ohms Max.	Ma.	Item
951	.5	8.4	125	Unshielded Iron Core R.F.C.
952	1.0	13.2	125	" " "
953	2.5	22.8	125	" " "
954	5.0	34.8	125	" " "
955	7.5	44.4	125	" " "
956	10	56.4	125	" " "
957	25	99.5	100	" " "
958	50	156	100	" " "
959	75	204	100	" " "
960	100	240	100	" " "
961	150	312	100	" " "

Stud Mounted Low-Capacity R.F. Chokes

Single stud mounted resistor-type r.f. chokes for use in transmitters and receivers. Pi-wound for very low distributed capacity. Constructed on moulded phenolic forms and equipped with Miller "Sta-On" terminal clips which will not work loose. Co-axial #6-32 thread mounting stud.

Dimensions: 5/8" o.d. by 1 1/4" high (plus 7/16" stud)

Part No.	mh	Ohms	ma	Schematic
4527	1.0	16.8	200	1
4530	2.5	27.6	200	1