

CHART I
MAGNETIC PROPERTIES OF FERRIMIC BODIES

PROPERTIES	SYMBOLS	UNIT	MATERIAL						
			H	H-1 †	05	0-3 ‡†	T-1 ‡†	Q-1	Q-2 †
Initial Perm.	μ 0	-	850 @ 1 mc/s	550 @ 1 mc/s	3000@100KC/S	1500 @ 100 kc/s	2000 @ 100 kc/s	125 @ 1 mc/s	40 @ 1 mc/s
* Max. Perm.	μ max	-	4300	3800	4800	4000	3600	400	115
* Sat. Flux Density	B_s	Gauss	3400	2800	4700	4500	4400	3300	2400
* Residual Mag.	B_r	Gauss	1470	1500	1000	1600	1000	1800	750
* Coercive Force	H_c	Oersted	.18	.35	0.12	0.15	0.18	2.1	4.7
Temp. Coef. of initial Perm.		%/°C	.66	.80	-	0.32	**	.10 max	.10 max
Curie Point		+°C	150	125	215	190	180	350	450
Vol. Resistivity		ohm-cm.	Medium	Medium	Low	Low	Low	High	High
Loss Factor:									
0.1 mc/sec.			-	-	.000007	0.000033	0.000025	-	-
1.0 mc/sec.		1	0.00030	.0004	-	-	-	0.00002	-
5.0 mc/sec.			-	.0010	-	-	-	-	-
10.0 mc/sec.		μ OQ	-	-	-	-	-	0.000016	0.000085
50.0 mc/sec.			-	-	-	-	-	-	0.00017

* Measurements made on D.C. Ballistic Galvanometer with Hmax - 25 oersteds. ** Cannot be simply expressed as approximate linear change. Curves available on request. Q-1 and Q material have identical magnetic characteristics.

† Do Not use for Future Design (Obsoleted By MFG)

‡ 05 Material may be used as Replacement

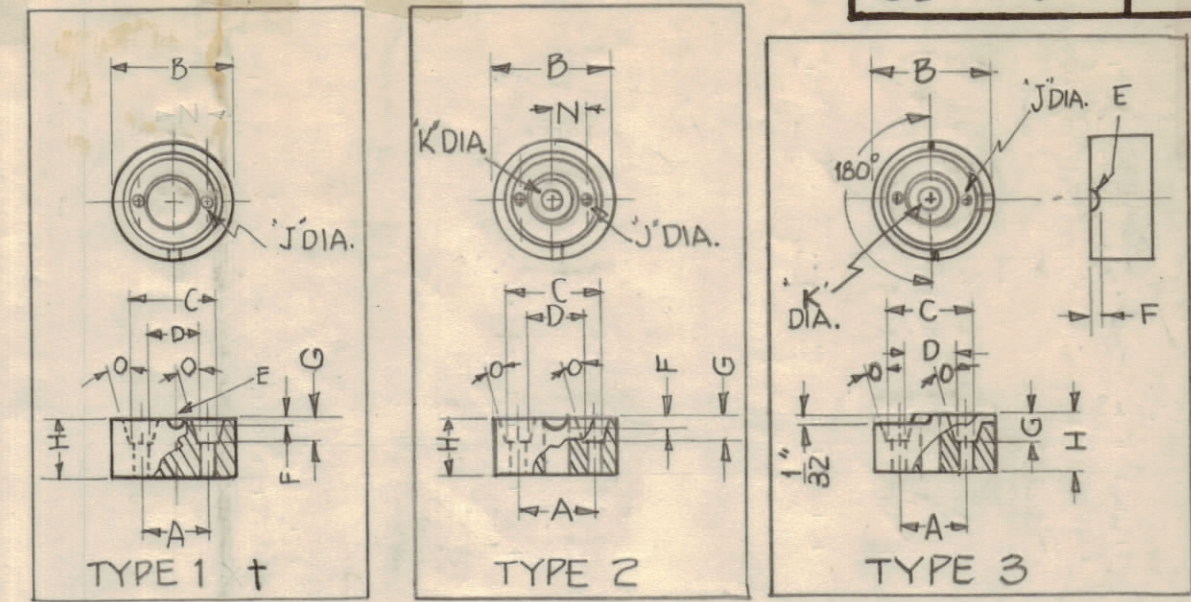
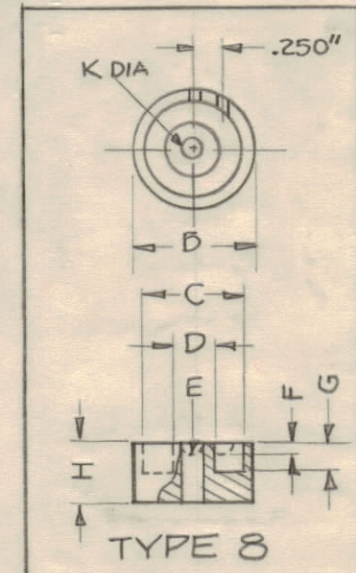
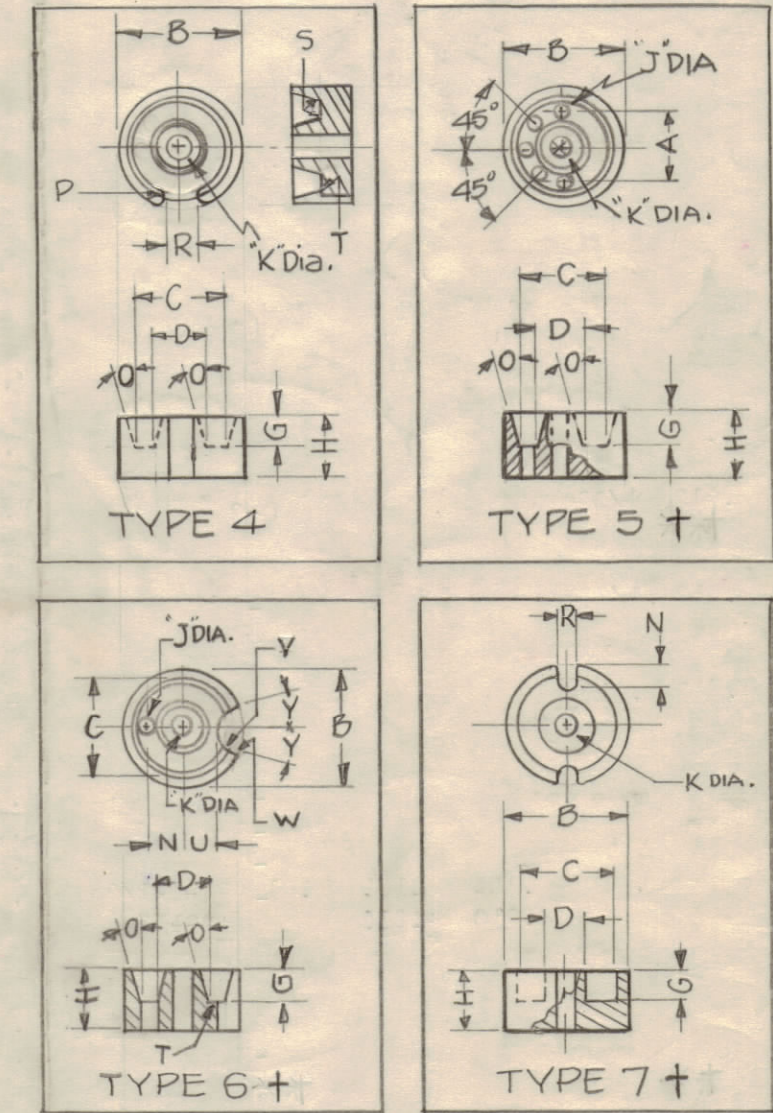


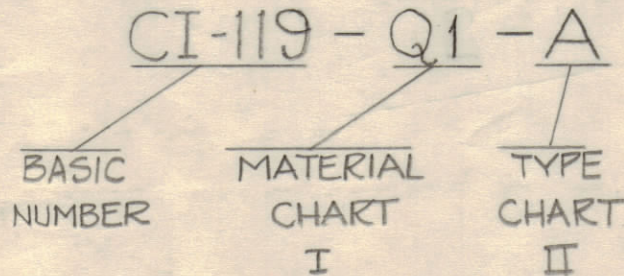
CHART II
STANDARD CUP CORES, CENTER POST TYPE

TMC TYPE	MFG. PARTS NO.	PICTO-RIAL NO.	A	B	C	D	E	F	G ^{+0.010}	H	J	K	N	12°	P	R	S	T	U	V	W	Y	Z	AVAILABLE IN MATERIAL
A	CF-201	4		.330	.240	.100			.080	.150				2°	Square Cut	.065								H, 05, Q1
B	CF-202	4		.368	.291	.167			.100	.133				2°	.019	.062	.005							H, 05, Q1
C	CF-203	4		.563	.450	.177			.085	.150				3°	.026	.079	.012	1/32						H, 05, Q1
D	CF-204	4		.563	.450	.177			.085	.150		.093		3°	.026	.079	.012	1/32						H, 05, Q-1
E	CF-205	4		.566	.438	.186			.080	.160		.079		0°	.047	.074	.012	.012						Q-1, 05, H
F	CF-206	2	.332	.590	.468	.197	1/64	1/32	.160	.250	.076	.096		2°										H, Q-1, 05
H	CF-207	1	.332	.590	.468	.197	1/64	1/32	.160	.250	.076	.096		2°										H, Q-1, 05
J	CF-208	3	.332	.590	.468	.197	1/64	1/32	.160	.250	.076	.096		2°										H, Q-1, 05
K	CF-209	6		.590	.468	.197			.155	.250	.130	.096	.165	2°				.010	.165	.105	.010	22-1/2°	+2-1/2°	H, Q-1, 05
L	CF-210	7		.720	.602	.236			.168	.236		.118				.089							.118	H, Q-1, 05
M	CF-211	5	.552	.937	.718	.370			.187	.312	.100	.140		2°										H, Q-1, 05
N	CF-212	1	.552	.937	.718	.386	1/64	1/32	.175	.312	.100	.145		2°										H, Q-1, 05
P	CF-213	2	.552	.937	.718	.386	1/64	1/32	.175	.312	.100	.145		2°										H, Q-1, 05
R	CF-214	3	.552	.937	.718	.386	1/64	1/32	.175	.312	.100	.145		2°										H, Q-1, 05
S	CF-215	2	.875	1.500	1.250	.500	1/32	1/32	.375	.500	.100	.145	.513	2°										H, Q-1, 05
T	CF-216	8		1.000	.750	.375	.062	.062	.375	.500		.172												H, Q-1, 05



NOTE: 1. () Indicates ground surface. 2. Tolerance +1% but not less than +.005" unless otherwise shown. 3. Fraction tolerance +.010". 4. When two cup cores are placed together the air gap between mating surfaces shall not exceed .0005". 5. Mating surfaces shall be ground flat within .00025" except where noted.

NOMENCLATURE SHALL BE IN FOLLOWING FORM:



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REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		STOCK SIZE	
		CORE, CUP	
		MATERIAL	
		TYPE & TEMPER	
		HEAT TREAT. SPEC.	
		FINISH & SPEC. NO.	

ISSUE	ZONE	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A		** NOTES ADDED. MAIL COL. REVISED COL. 05 WAS H3. REVISED COMPL. Q1 WAS Q2	1-26-66	19589			

STANDARD DRAWING

REQ PER UNIT	MODEL	SECTION	ASSY. NO.	DATE
				7-18-60