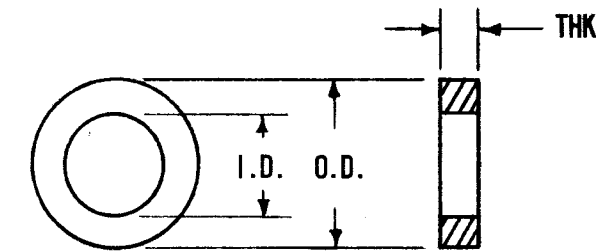


TMC PART NO	OUTSIDE DIAMETER		INSIDE DIAMETER		THICKNESS		MFG & PART NO	MFG & PART NO	MFG & PART NO
	DIM	TOL	DIM	TOL	DIM	TOL	S401-206	S401-	S401-
CI100-1	.870	±.030	.540	±.020	.093	±.005	F-624-L-H		
CI100-2	.870	±.030	.540	±.020	.156	±.005	F-624-2-H		
CI100-3	.870	±.030	.540	±.020	.250	±.005	F-624-3-H		
CI100-4	.870	±.030	.540	±.020	.250	±.010	F-624-19-Q1		

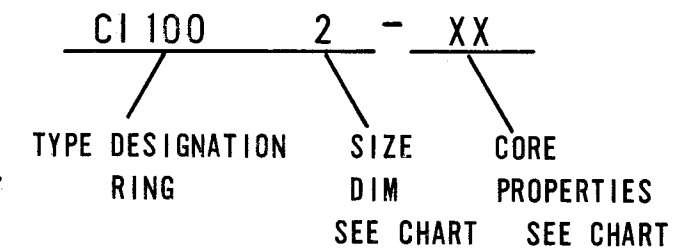
REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD APPD
	C	COMPLETELY REDRAWN	6/28/67	18109	CV	RH

MAGNET PROPERTIES OF FERRAMIC BODIES

PROPERTIES	UNIT	H	Q-3	Q-1	Q-2	Q-3	T-1
INITIAL PERM.	—	850@1Mc/s	1500@100Kc/s	125@1Mc/s	40@1Mc/s	16@1Mc/s	2000 @100Kc/s
MAX. PERM *	—	4300	4000	400	115	42	3600
SAT. FLUX DENSITY *	GAUSS	3400	4500	3300	2400	2600	4400
RESIDUAL MAG. *	GAUSS	1470	1600	1800	750	1470	1000
COERCIVE FORCE *	OERSTED	.18	0.15	2.1	4.7	21	0.18
TEMP. COEF. OF INIT. PERM.	% / °C	.66	0.32	.10 MAX	0.10 MAX	0.10 MAX	**
CURIE POINT	+°C	150	190	350	450	500	180
VOL. RESISTIVITY	OHM cm	MEDIUM	LOW	HIGH	HIGH	HIGH	LOW
LOSS FACTOR							
0.10 Mc/s		—	0.000033	—	—	—	0.000025
1.0 Mc/s	1	0.00030	—	0.00002	—	—	—
5.0 Mc/s		—	—	—	—	—	—
10.0 Mc/s		—	—	0.00010	0.000085	—	—
50.0 Mc/s		—	—	—	0.00017	—	—
150.0 Mc/s		—	—	—	—	0.00042	—
COLOR CODE ***		GREEN	RED GREEN	RED BLUE	YELLOW	YELLOW BLACK	BLUE BLACK



TMC PART NUMBER TO BE IN THE FOLLOWING FORM:



* MEASUREMENTS MADE ON D.C. BALLISTIC GALVANOMETER WITH H_{MAX}=25 OERSTEDS ABOVE DATA IS BASED ON NOMINAL VALUES

** CANNOT BE SIMPLY EXPRESSED AS APPROXIMATE LINEAR CHANGE. TEMPERATURE COEFFICIENTS EXPRESSED BETWEEN +25°C AND +80°C

*** COLOR CODE MUST APPEAR ON ALL BODIES FOR IDENTIFICATION

CORE TO BE TUMBLED TO ROUND CORNERS

STANDARD DRAWING

QTY / UNIT	MODEL USED ON	ASS'Y NO.
APPLICATION		
	CODE	
	C	

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS	FRACTIONS
.X ± .05	1/64
.XX ± .01	TOLS. ANGLES
.XXX ± .005	0°-30'

MATERIAL

FINISH

REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
LIST OF MATERIAL				
FINAL APPROVAL RH DATE 6/28/67				
MECH. DES. DATE				
ELECT. DES. DATE				
CHECKED SG DATE 6/28/67				
DRAWN C.V. DATE 6-26-67				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
CORE, TOROID, RING TYPE				
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE	
B	82679	CI100	C	
SCALE	SHEET		OF	