MANUFACTURERS IDENTIFICATION

TMC PART NO.	VOLTAGE WVDC	CAPACITANCE UF	MFRS PART NO.	TOL.	LENGTH		OUTSIDE DIAMETER	
CX 107-1	A	.1275	23-12752B5	C	1"	+.000 -1/4	.500	+.015 -.0625
CX 107-2	A	.0199	23-1992B5	C	13/16	+.000 -1/4	.233	+.017 -.0625
CX 107-3	A	.0255	23-2552B5	C	13/16	+.000 -1/4	.233	+.017 -.0625
CX 107-4	A	.0398	23-3982B5	C	13/16	+.000 -1/4	.313	+.014 -.0625
CX 107-5	A	.0765	23-7652B5	C	13/16	+.000 -1/4	.400	+.015 -.0625
CX 107-6	A	.1194	23-11942B5	C	1"	+.000 -1/4	.500	+.015 -.0625
CX 107-7	A	.01275	23-12751B5	C	31/32	+.000 -1/4	.233	+.017 -.0625
CX 107-8	A	.199	23-1993B5	C	1-1/2	+.000 -1/4	.560	+.017 -.0625
CX 107-9	A	.255	23-2553B5	C	1-1/2	+.000 -1/4	.560	+.017 -.0625
CX 107-10	A	.398	23-3983B5	C	1-1/2	+.000 -1/4	.560	+.017 -.0625
CX 107-11	A	.765	23-7653B5	C	1-3/4	+.000 -1/4	.750	+.016 -.1250
CX 107-12	A	1.194	23-1.1943B5	C	1-3/4	+.000 -1/4	.750	+.016 -.0625
CX 107-13	A	.005	23-502B5	C	13/16	+.000 -1/4	.233	+.017 -.0625

STANDARD DRAWING

CX 107 C

TABLE A	
VOLTAGE RATING	
DC Working Voltage	Symbol
100	A
200	B
400	C
600	D

TABLE B	
CAPACITANCE TOLERANCE	
Tolerance Symbol	Tolerance
A	± 1%
B	± 2%
C	± 5%
D	± 10%

MECHANICAL SPECIFICATIONS

TYPE: Hermetically sealed, tubular metal case.

LEAD SPECIFICATIONS: Standard lead length is 1-5/8" min. with lead gauge

.193 . . . . . 24 AWG
.233 to .313 . . 22 AWG
.400 and larger. 20 AWG

CAPACITANCE: The TMC Part No. and Capacitance Value is to be stamped on the capacitor in UF.

ENGINEERING SPECIFICATIONS

TEMP. °C	IR MEGOHMS X UF	IR in MEGOHMS NEED NOT EXCEED
25°	50,000	150,000
85°	5,000	10,000
125°	100	200
150°	10	20

DISSIPATION FACTOR: Will not exceed 1% at 1000 ± 20 CPS at 25° C.

TEMPERATURE RANGE: Operating temperature range at rated voltage from -55° C to +85° C and to +125° C with proper derating.

LIFE TEST: Will withstand 125% of rated voltage at +85°C for 250 hours.

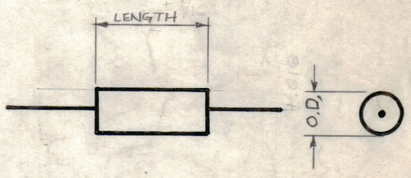
DIELECTRIC STRENGTH: Will withstand the application of 1-1/2 times rated voltage between terminals for two minutes through limiting resistance of 100 ohms per volt, at 25° C.

PULL TEST: Will withstand a steady pull of 5 pounds applied axially to the leads for one minute.

CAPACITANCE TOLERANCES: Standard tolerance ±20%; also available in ±10%, ±5% and ±1%.

VOLTAGE RANGE: 200, 400 and 600 Volts DC.

WINDING DESIGN: Extended foil construction (non-inductive).



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STANDARD DRAWING

SYM	ZONE	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
C		MFG CODES ADDED 1-5-6 +.015 WAS .0000, 11-12 +.016 WAS .0000 P/N 4 +.014 WAS .0000, REST OF THEM +.017 WAS +.0000	6-21-65	14296	DVV		
B		MFRS. PART NO. COL ADDED. CX-107-7 & -11 O.D.S MOD.	9-3-63	9879			
A	H5	ON CHART LENGTH & O.D. CLARIFIED	1-9-63	7952			

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± 1/64 DECIMALS ± .005 ANGLES ± 1/2°

SCALE

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.
REMOVE ALL BURRS & SHARP EDGES

S 401-394(211)
S 401-87(23)
S 401-112(XPF)

REQ. PER UNIT	MODEL	SECTION	ASS'Y. NO.	DATE
	HAF-1			7-26-62

USED ON

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			T. FAIOLA	

STOCK SIZE
MATERIAL
TYPE & TEMPER HEAT TREAT. SPEC.
FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

CAPACITOR, FIXED MYLAR

DRAWN	CHECKED	FINAL APPROVAL
W.S.		BP

ELEC. DES. APP.	MECH. DES. APP.	SHEET OF
A.R. Faiola		CX 107 C

TMC FORM NO. 110

DEFIANCE NO. 1020 36852