

**TABLE 1**

TYPE DESIGNATION*	CAPACITANCE	DC WORKING VOLTAGE	CAPACITANCE TOLERANCES AVAILABLE
	uuf	Volts	(+)
CY15C221-	220	500	FGJ
CY15C241-	240	500	FGJ
CY15C271-	270	500	FGJ
CY15C301-	300	500	FGJ
CY15C331-	330	500	FGJ
CY15C361-	360	500	FGJ
CY15C391-	390	500	FGJ
CY15C431-	430	500	FGJ
CY15C471-	470	500	FGJ
CY15C511-	510	500	FGJ
CY15C561-	560	300	FGJ
CY15C621-	620	300	FGJ
CY15C681-	680	300	FGJ
CY15C751-	750	300	FGJ
CY15C821-	820	300	FGJ
CY15C911-	910	300	FGJ
CY15C102-	1,000	300	FGJ
CY15C112-	1,100	300	FGJ
CY15C122-	1,200	300	FGJ

**TABLE 2**

CAPACITANCE TOLERANCE

Symbol	Capacitance Tolerance (+)
F	1 %
G	2 %
J	5 %

**TABLE 3**

OPERATING TEMPERATURE RANGE

Symbol	Operating Temperature Range °C
C	-55 to +125

**STANDARD DRAWING**

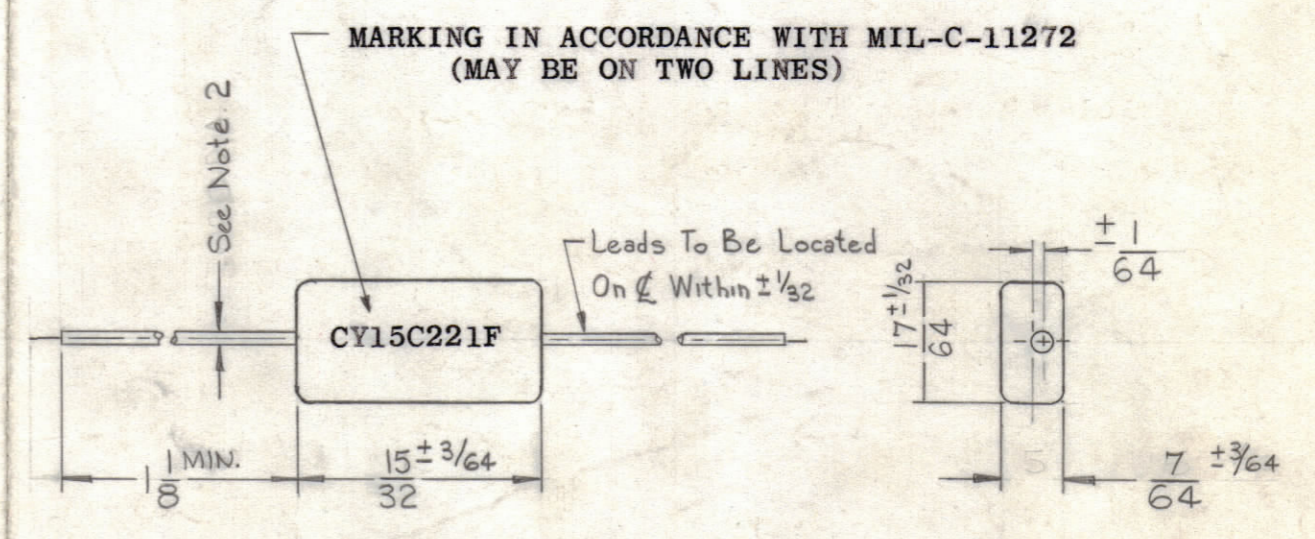
NOTICE TO PERSONS RECEIVING THIS DRAWING

CY 15 B

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MAMARONECK, NEW YORK

\* Complete Type Designation Will Include An Additional Letter Symbol to Indicate Capacitance Tolerance.



- All dimensions in inches.
- The lead diameter shall be 0.025  $\begin{matrix} +0.004 \\ -0.001 \end{matrix}$  or 0.020  $\begin{matrix} +0.004 \\ -0.001 \end{matrix}$

COLOR*	OPERATING TEMPERATURE RANGE	NOMINAL CAPACITANCE (uuf)		CAPACITANCE TOLERANCE (%)
		FIRST and SECOND SIGNIFICANT FIGURES	MULTIPLIER**	
Black	-	0	1	-
Brown	-	1	10	1 % (F)
Red	-	2	100	2 % (G)
Orange	-	3	1,000	-
Yellow	-	4	-	-
Green	-	5	-	5 % (J)
Blue	-	6	-	-
Purple (Violet)	-	7	-	-
Gray	-	8	-	0.25 uuf (C)
White	-	9	-	-
Gold	-	-	0.1	5 % (J)
Silver	-	-	-	-

\* The MIL Identifier shall be a Black Dot.  
\*\* The Multiplier is the Factor by which the Two Significant Figures are Multiplied to Yield the Nominal Capacitance.

**TEMPERATURE COEFFICIENT AND CAPACITANCE DRIFT**

TEMPERATURE COEFFICIENT	CAPACITANCE DRIFT (-55° to +125°C)
Parts/million/°C 140 ± 25	0.1 percent or 0.1 uuf, whichever is greater.

T M C PART NUMBER SHALL BE IN THE FOLLOWING FORM:

\* NOTE 1: FOR NON-STANDARD VALUES AND/OR TOLERANCES (THOSE NOT SHOWN IN TABLE 1) ADD YY TO PART NUMBER. EXAMPLE: CY15C491GYY

NOTE 2: SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF MIL-C-11272/1 EXCEPT GOVERNMENT SOURCE INSPECTION SHALL NOT BE REQUIRED. MIL IDENTIFIER SHALL BE DELETED ON THOSE ITEMS WITH A YY SUFFIX TO PART NUMBER.

NOTE 3: VALUES 510pf AND BELOW ARE 500V RATING; VALUES ABOVE 510pf ARE 300V RATING.

NOTE 4: FOR NON-STANDARD VALUES WHICH CANNOT BE EXPRESSED IN THREE DIGITS, FOUR DIGITS WILL BE USED  
EXAMPLE: 1060 = 106 uuf

# OF ZEROS

CY15 C OR5 G \*\*YY

STYLE SEE PICTORIAL OPERATING TEMPERATURE RANGE TABLE 3 CAPACITANCE TABLE 1 CAPACITANCE TOLERANCE TABLE 2 INDICATES NON-STD

SYM	ZONE	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
B		PART No. EXAMPLE COMPLETELY REVISED	6-5-67	18262	G.D.L.		
A		MARKING ADDED TO PICTORIAL; REF MIL-C-11272 ADDED	7-14-63	7975			
		COLOR CODE CHART DELETED; TABLE 2 "C" & "D" DELETED					

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

REQ. PER UNIT	MODEL	SECTION	ASS'Y. NO.	DATE
				3-20-62

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		CAPACITORS, FIXED, GLASS DIELECTRIC	
		MATERIAL	
		TYPE & TEMPER	
		HEAT TREAT. SPEC.	
		FINISH & SPEC. NO.	

3-20-62

DRAWN: JMA CHECKED: JMA FINAL APPROVAL: JMA

CY 15 B

ELEC. DES. APP. MECH. DES. APP. SHEET OF