

STANDARD DRAWING

TYPE DESIGNATION	CAPACITANCE IN pfd	CAPACITANCE TOLERANCE	AVAILABLE IN TEMP. COEF. SHOWN AS COLUMN HEADINGS, TEMP. COEF. TOL. SHOWN BY LETTERS IN COLUMNS.										COLOR CODE		
													SPOT OR BAND FROM WIDE BAND		
			* A	C	H	L	P	R	S	T	U	1 st	2 nd	3 rd	
CC45-H680-	68	FGJ	H										BLUE	GRAY	BLACK
-H750-	75	FGJ	H										VIOLET	GREEN	
-H820-	82	FGJ	H										GRAY	RED	
-H910-	91	FGJ	H										WHITE	BROWN	
-H101-	100	FG	H										BROWN	BLACK	BROWN
-111-	110	FG	H											BROWN	
-121-	120	FG	H											RED	
-131-	130	FG	H											ORANGE	
-151-	150	FG	H	GH	G									GREEN	
-161-	160	FG	H	GH	G	G								BLUE	
-181-	180	FG	H	GH	G	G	G							GRAY	
-201-	200	FG	H	GH	G	G	G	H					RED	BLACK	
-221-	220	FG	H	GH	G	G	G	H	H					RED	
-241-	240	FG	H	GH	G	G	G	H	H					YELLOW	
-271-	270	F	H	GH	G	G	G	H	H	H				VIOLET	
-301-	300	F		GH	G	G	G	H	H	H			ORANGE	BLACK	
-331-	330	F		GH	G	G	G	H	H	H				ORANGE	
-361-	360	F		GH	G	G	G	H	H	H				BLUE	
-391-	390	F		GH	G	G	G	G	H	H	J			WHITE	
-431-	430	F		G	G	G	G	H	H	H	J		YELLOW	ORANGE	
-471-	470	F		G	G	G	G	H	H	H	J			VIOLET	
-511-	510														
-561-	560														
-621-	620														
-681-	680														
-751-	750														
-821-	820														
CC45-911-	910														

CAPACITANCE VALUES FROM 510 TO 910 pfd FORMERLY INCLUDED IN STYLE CC45 SHALL BE REPLACED BY THE APPROPRIATE VALUE IN STYLE CC47.

COMPLETE TYPE DESIGNATION WILL INCLUDE ADDITIONAL LETTER SYMBOLS TO INDICATE TEMP. COEF., TEMP. COEF. TOL. (AS APPLICABLE) AND CAPACITANCE TOLERANCE.

INSULATION RESISTANCE > 50,000 Meg ohms at 25°C
> 1,000 Meg ohms at 85°C
Q AT 1.0 MEGACYCLE > 1,000
CAPACITANCE DRIFT - WITHIN 0.2 %
TEMP. RANGE - (-55° TO +85°C)
DC WORKING VOLTAGE - 500
PEAK VOLTAGE - 300% OF DCWV FOR 5 SECONDS AT 50 Ma MAX.

NOTES

CAPACITANCE TOLERANCE

COLOR CODE	LETTER	%
BRN	F	±1
RED	G	±2
GRN	J	±5
WHT.	K	±10

Q'TY./UNIT	MODEL USED ON	ASS'Y. NO.
SCALE	CODE	5401-61 5401-93

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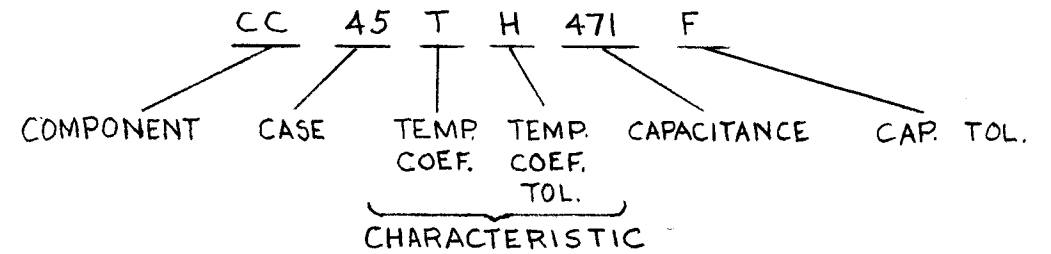
E
CC45

REVISIONS

SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
A	NOTE ADDED REF: CC47	1-25-56				
B	PART NO. WAS "CC45" & "CC47" REVISED & REDRAWN	10-15-64	12587	PL		
C	OBsolete NOTE ADDED.	3-19-65	13730	PL		
D	"MIL-C-20D/14B" REF. & OBsolete NOTE DELES; PICT: ".415 MAX" WAS ".360 ± .055" ".2.00 MAX" WAS ".1.850 ± .150"; DIM: ".425 ± .040" DELE. NOTE: "DO NOT USE FOR NEW DESIGN." ADDED; 5401-61, -93 ADD.	4-20-65	13870	PL		
E	(*ADDED TO H750, H910, H101, 111 & COLUMN 'A'	2-2-66	15712	MLP		

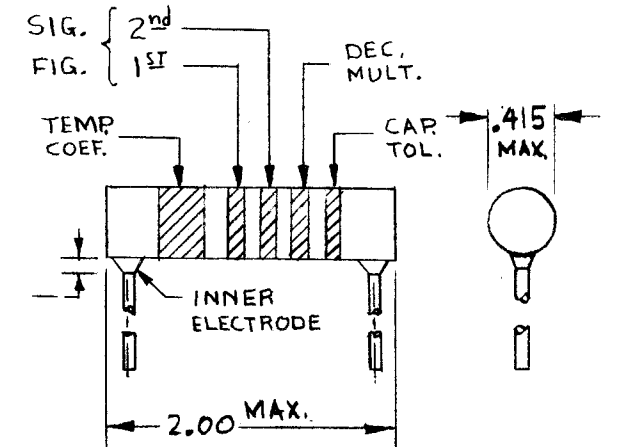
DO NOT USE FOR NEW DESIGN. USE COMMERCIAL EQUIVALENT OR REFER TO CC114 FOR REPLACEMENTS, EXCEPT THOSE MARKED *.

TYPE DESIGNATION TO BE IN FOLLOWING FORM



CHARACTERISTIC DESIGNATION

COLOR CODE	LETTERS	NOM. TEMP. COEF. PARTS PER MILLION PER °C	TEMP. COEF. TOL. PARTS PER MILLION PER °C
GOLD	AH	+100	±66
BLK	CG	ZERO	±30
BRN	HG	-30	±30
RED	LG	-80	±30
ORN	PG	-150	±30
GRN	SH	-330	±66
BLU	TH	-470	±66
VIO	UJ	-750	±130
BLK	CH	ZERO	±66
YLW	RH	-220	±66



LEADS SHALL BE OF TINNED WIRE 1/4" MIN. LENGTH, .025 ± .002 DIA. (22 AWG).

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
LIST OF MATERIAL				
MATERIAL			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
FINISH			TITLE CAPACITOR, FIXED CERAMIC TEMP. COMPENSATING	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		DRAWN <i>J. Livan</i>	DATE 10-23-64	FINAL APPROVAL <i>RJC</i>
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005		CHECKED	DATE	DATE
FRACTIONS ± 1/64 ANGLES ± 0° 30'		ELECT. DES. <i>FRD</i>	DATE 10-26-64	DATE
TOLERANCES		MECH. DES.	DATE	DATE
			CC45	
			E	
			SHEET	
			REV. LTR.	