

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

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

STANDARD DRAWING

D
CM-109

CHART "C"

IN ACC. WITH MIL-C-5A CM20 LISTINGS.
CAP. RANGE: 5 TO 1000 μ fds.
TEMP. " " : -55°C TO +130°C.

CAT. NO.	CAP. μ fds.	VDCW	CHARACTERISTICS AT CAP. TOLERANCE*			
			$\pm 2\%$	$\pm 5\%$	$\pm 10\%$	$\pm 20\%$
5ASV5	5	500				B
5ASQ1	10					B
5ASQ12	12					B
5ASQ15	15					B
5ASQ18	18					B
5ASQ20	20					B
5ASQ22	22			BC		BC
5ASQ24	24			BC		BC
5ASQ27	27			BC		BC
5ASQ30	30			BC		BC
5ASQ33	33			BC		BC
5ASQ36	36			BC		BC
5ASQ39	39			BC		BC
5ASQ43	43			BC		BC
5ASQ47	47			BC		BC
5ASQ51	51		C	BC		BC
5ASQ56	56		C	BC		BC
5ASQ62	62		C	BC		BC
5ASQ68	68		C	BC		BC
5ASQ75	75		C	BC		BC
5ASQ82	82		C	BC		BC
5ASQ91	91		C	BC		BC
5AST1	100		CD	BCD		BCD
5AST11	110		CD	BCD		BCD
5AST12	120		CD	BCD		BCD
5AST13	130		CD	BCD		BCD
5AST15	150		CD	BCD		BCD
5AST16	160		CD	BCD		BCD
5AST18	180		CD	BCD		BCD
5AST20	200		CDE	BCDE		BCDE
5AST22	220		CDE	BCDE		BCDE
5AST24	240		CDE	BCDE		BCDE
5AST27	270		CDE	BCDE		BCDE
5AST30	300		CDE	BCDE		BCDE
5AST33	330		CDE	BCDE		BCDE
5AST36	360		CDE	BCDE		BCDE
5AST39	390		CDE	BCDE		BCDE
5AST43	430		CDE	BCDE		BCDE
5AST47	470		CDE	BCDE		BCDE
5AST51	510		CDE	BCDE		BCDE
5AST56	560	#	CDE	BCDE		BCDE
5AST62	620	#	CDE	BCDE		BCDE
5AST68	680	#	CDE	BCDE		BCDE
5AST75	750	#	CDE	BCDE		BCDE
5AST82	820	#	CDE	BCDE		BCDE
5AST91	910	#	CDE	BCDE		BCDE
5A3D1	1000	#	CDE	BCDE		BCDE

CHART "D"

C-D EXTENDED RATINGS BEYOND CM20 LISTINGS.
CAPACITANCE RANGE: 1100 TO 5100 μ fds.
TEMP. RANGE: -55°C TO +130°C.

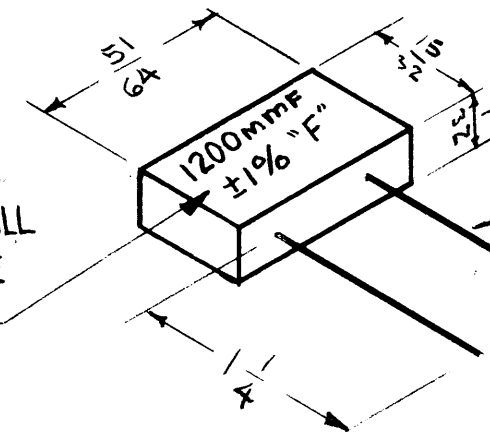
CAT. No.	CAP. μ fds.	VDCW	CHARACTERISTICS AT CAP. TOLERANCE*			
			$\pm 2\%$	$\pm 5\%$	$\pm 10\%$	$\pm 20\%$
5ASD11	1100	500	BCDEF	BCDEF		
5ASD12	1200				BCDEF	
5ASD13	1300					
5ASD15	1500				BCDEF	BCDEF
5ASD16	1600					
5ASD18	1800				BCDEF	
5ASD2	2000					
5ASD22	2200				BCDEF	BCDEF
5ASD24	2400					
5ASD27	2700				BCDEF	
5ASD3	3000					
5ASD33	3300				BCDEF	BCDEF
5ASD36	3600					
5A3D39	3900	300			BCDEF	
5A3D43	4300					
5A3D47	4700				BCDEF	BCDEF
5A3D51	5100					

CHARACTERISTICS

	TEMP. COEF PARTS/MI./°C	CAP. DRIFT (MAX)
F	0 TO +70	$\pm(0.05\% \pm 0.1\mu f)$
G	0 TO +50	$\pm(0.05\% \pm 0.1\mu f)$

TOLERANCE

E	$\pm 0.5\%$
F	$\pm 1\%$
G	$\pm 2\%$
J	$\pm 5\%$
K	$\pm 10\%$
M	$\pm 20\%$



APPROPRIATE CAP., TOL. AND CHARACTERISTIC SHALL BE STAMPED ON CASE AS SHOWN

#18 AWG TINNED BRASS

TYPE DESIGNATION SHALL BE IN FOLLOWING FORM
5TH DIGIT INDICATES # ZEROS.

CM-109 - F - 1200 0 - E

COMPONENT CHARACTERISTIC CAP. IN TOLERANCE μ f (SEE NOTE)

- NOTE
- 1- CAPACITANCE TO BE SPECIFIED TO 4 DIGITS:
 - 2- 5TH DIGIT IS ADDED TO INDICATE NO OF ZEROS.
 - 3- WHERE DECIMAL POINT IS INCLUDED (BY R) 5TH DIGIT IS OMITTED
 - 4- SEE EXAMPLES ABOVE.

EXAMPLES

12.25 = 12R25
122.5 = 122R5
1225 = 12250
12250 = 12251
122500 = 12252

4 DIGITS NO OF ZEROS

REF: CORNELL-DUBILIER (SUPER-MICADON)

*1- STANDARD TOL. $\pm 5\%$ (TOL. OF $\pm 1/2$ OF 1% AVAILABLE ON REQUEST)
2- CHAR. "F" AVAILABLE IN 5% OR CLOSER TOL. (APPLIES TO CHART "C" ONLY.)
* MIL-C-5A RATES THESE UNITS AT 300 VDCW.

WARNING

THIS CAP. IS MANUFACTURED IN CHAR. B THROUGH E & TOL. M THROUGH G. HOWEVER, IN ORDER TO AVOID DUPLICATION AND GOVERNMENT ACCEPTANCE DIFF. CONVENTIONAL MICA CAPACITORS SHOULD BE USED IN THESE RANGES

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
D		ADDED NOTE TO PICTORAL	6-20-62	6811	R.V.		
C		EXAMPLES & NOTES CLARIFIED	4/7/58	3	MU		
B		EXAMPLES ADDED	4/3/55	2	ESD		
A		NOTE CHANGED	2-20-54	1	ESD		

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			CAPACITOR, MICA FIXED PRECISION	
			C.D.D. 5-18-54	KZ
			DRAWN	ELEC. DES. APP. MECH. DES. APP.
			CHECKED	FINAL APPROVAL
				CM-109 D