

TMC SPECIFICATION

NO. S 1030

REV:

Ø A B

COMPILED:

JC

CHECKED:

APPD:

W. H. King 11/2/65

SHEET

1

OF 5

TITLE:

STANDARD USE OF DIPPED MICA CAPACITORS

CM111 AND CM112

51030

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TITLE: STANDARD USE OF DIPPED MICA CAPACITORS CM111 AND CM112

1. In order to conform to standard manufactured capacitors, the use of certain capacitors will be discontinued. Replacement capacitors are indicated in the tables herewith furnished.
2. Some characteristics and tolerances have been dropped from presently used capacitors in order to standardize. In cases where a worse characteristic or tolerance is called out on a replacement, this is due to the manufacturer not being able to guarantee the characteristics and tolerances called out in material lists.
3. In order to deplete stock, capacitors called out on material lists may be substituted by available stock, as long as equipment is not degraded. Standards Section should be consulted when in doubt.
4. When a replacement or substitute is needed, a capacitor with the same or better characteristics may be used as a substitute.
5. The tolerances listed in the replacement cross reference will replace the same or lesser tolerances.
6. PART NUMBER DESCRIPTION

CM111 CM112	F	120	G	5	S
Basic P/N	Char	Value	Tolerance	Voltage	Typ of Leads

6.1 CM111 to be used for 1 PF to 1000 PF.
 CM112 to be used for 1100 PF and above.

6.2 Characteristics to be used are

C	1 PF to 24 PF
E	27 PF to 75 PF
F	85 PF and above

6.3 Value stated by standard military system.

6.4 Standard TMC tolerances shall be

D	+ $\frac{1}{2}$ % or <u>.5PF whichever is greater</u>
F	+ 1%
G	+ 2%
J	+ 5%
K	+10%

H Tolerance shall not be used.
 Consult Replacement cross ref. chart
 for tolerances to be used for specific values.

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6.5 Voltage to be used as follows

600 PF and below	500 V
600 PF to 900 PF	300 or 500 V
1000 PF	100 or 500 V
1100 PF to 3800 PF	500 V
3900 PF to 9000 PF	300 or 500 V
9100 PF to 10000 PF	100 or 500 V
1100 PF and up	500 V

6.6 S- straight leads

C- crimp leads

Crimp leads have been deleted from print.

They shall be depleted for S type

REPLACEMENTS FOR CM111

ORIGINAL					REPLACED BY				
TYPE	CHAR.	VALUE	TOL.	VOLT. IN HUNDREDS	TYPE	CHAR.	VALUE	TOL.	VOLT. IN HUNDREDS
CM111	CDE	010	JK	1,3,5	CM111	C	010	K	5
CM111	CDE	020	JK	1,3,5	CM111	C	020	K	5
CM111	CDE	030	JK	1,3,5	CM111	C	030	K	5
CM111	CDE	050	DFGHJK	1,3,5	CM111	C	050	K	5
CM111	CDE	060	DFGHJK	1,3,5	CM111	C	060	K	5
CM111	CDE	070	DFGHJK	1,3,5	CM111	C	070	K	5
CM111	CDE	080	DFGHJK	1,3,5	CM111	C	080	K	5
CM111	CDEF	100	DFGHJK	1,3,5	CM111	C	100	J	5
CM111	CDEF	120	DFGHJK	1,3,5	CM111	C	120	K	5
CM111	CDEF	180	DFGHJK	1,3,5	CM111	C	180	J	5
CM111	CDEF	200	DFGHJK	1,3,5	CM111	C	200	J	5
CM111	CDEF	220	DFGHJK	1,3,5	CM111	C	220	J	5
CM111	CDEF	240	DFGHJK	1,3,5	CM111	C	240	J	5
CM111	CDEF	270	DFGHJK	1,3,5	CM111	E	270	J	5
CM111	CDEF	300	DFGHJK	1,3,5	CM111	E	300	J	5
CM111	CDEF	330	DFGHJK	1,3,5	CM111	E	330	G	5
CM111	CDEF	360	DFGHJK	1,3,5	CM111	E	360	J	5
CM111	CDEF	390	DFGHJK	1,3,5	CM111	E	390	J	5
CM111	CDEF	470	DFGHJK	1,3,5	CM111	E	470	G	5
CM111	CDEF	510	DFGHJK	1,3,5	CM111	E	510	G	5
CM111	CDEF	560	DFGHJK	1,3,5	CM111	E	560	J	5
CM111	CDEF	680	DFGHJK	1,3,5	CM111	E	680	F	5
CM111	CDEF	750	DFGHJK	1,3,5	CM111	E	750	J	5
CM111	CDEF	820	DFGHJK	1,3,5	CM111	E	820	F	5
CM111	CDEF	910	DFGHJK	1,3,5	CM111	F	910	J	5
CM111	CDEF	101	DFGHJK	1,3,5	CM111	F	101	F	5
CM111	CDEF	111	DFGHJK	1,3,5	CM111	F	111	J	5
CM111	CDEF	121	DFGHJK	1,3,5	CM111	F	121	GJ	5

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CM111 (Continued)

ORIGINAL					REPLACED BY				
TYPE	CHAR.	VALUE	TOL.	VOLT IN HUNDREDS	TYPE	CHAR.	VALUE	TOL.	VOLT IN HUNDREDS
CM111	CDEF	131	DFGHJK	1,3,5	CM111	F	131	GJ	5
CM111	CDEF	151	DFGHJK	1,3,5	CM111	F	151	F	5
CM111	CDEF	161	DFGHJK	1,3,5	CM111	F	161	GJ	5
CM111	CDEF	181	DFGHJK	1,3,5	CM111	F	181	G	5
CM111	CDEF	201	DFGHJK	1,3,5	CM111	F	201	G	5
CM111	CDEF	221	DFGHJK	1,3,5	CM111	F	221	GJ	5
CM111	CDEF	241	DFGHJK	1,3,5	CM111	F	241	GJ	5
CM111	CDEF	271	DFGHJK	1,3,5	CM111	F	271	F	5
CM111	CDEF	301	DFGHJK	1,3,5	CM111	F	301	GJ	5
CM111	CDEF	321	DFGHJK	1,3,5	CM111	F	321	DG	5
CM111	CDEF	331	DFGHJK	1,3,5	CM111	F	331	G	5
CM111	CDEF	361	DFGHJK	1,3,5	CM111	F	361	GJ	5
CM111	CDEF	391	DFGHJK	1,3,5	CM111	F	391	F	5
CM111	CDEF	431	DFGHJK	1,3,5	CM111	F	431	GJ	5
CM111	CDEF	471	DFGHJK	1,3,5	CM111	F	471	F	5
CM111	CDEF	511	DFGHJK	1,3,5	CM111	F	511	GJ	5
CM111	CDEF	561	DFGHJK	1,3,5	CM111	F	561	F	5
CM111	CDEF	601	DFGHJK	1,3,5	CM111	F	601	J	3,5
CM111	CDEF	621	DFGHJK	1,3,5	CM111	F	621	DF	5
CM111	CDEF	681	DFGHJK	1,3,5	CM111	F	681	GJ	5
CM111	CDEF	751	DFGHJK	1,3,5	CM111	F	751	GJ	3,5
CM111	CDEF	821	DFGHJK	1,3,5	CM111	F	821	GJ	5
CM111	CDEF	911	DFGHJK	1,3,5	CM111	F	911	GJ	5
CM111	CDEF	102	DFGHJK	1,3,5	CM111	F	102	DF	1,5

REPLACEMENTS FOR CM112

ORIGINAL					REPLACED BY				
TYPE	CHAR.	VALUE	TOL.	VOLT IN HUNDREDS	TYPE	CHAR.	VALUE	TOL.	VOLT IN HUNDREDS
CM112	CDEF	102	DFGHJK	1,3,5	CM111	F	102	DF	5
CM112	CDEF	112	DFGHJK	1,3,5	CM112	F	112	DG	5
CM112	CDEF	122	DFGHJK	1,3,5	CM112	F	122	GJ	5
CM112	CDEF	132	DFGHJK	1,3,5	CM112	F	132	F	5
CM112	CDEF	152	DFGHJK	1,3,5	CM112	F	152	DF	5
CM112	CDEF	162	DFGHJK	1,3,5	CM112	F	162	GJ	5
CM112	CDEF	182	DFGHJK	1,3,5	CM112	F	182	GJ	5
CM112	CDEF	202	DFGHJK	1,3,5	CM112	F	202	DG	5
CM112	CDEF	222	DFGHJK	1,3,5	CM112	F	222	FJ	5
CM112	CDEF	242	DFGHJK	1,3,5	CM112	F	242	GJ	5
CM112	CDEF	252	DFGHJK	1,3,5	CM112	F	252	GJ	5
CM112	CDEF	272	DFGHJK	1,3,5	CM112	F	272	DF	5
CM112	CDEF	282	DFGHJK	1,3,5	CM112	F	282	G	5

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CM112 (Continued)

ORIGINAL					REPLACED BY				
TYPE	CHAR.	VALUE	TOL.	VOLT. IN HUNDREDS	TYPE	CHAR.	VALUE	TOL.	VOLT IN HUNDREDS
CM112	CDEF	292	DFGHJK	1,3,5	CM112	F	292	F	5
CM112	CDEF	302	DFGHJK	1,3,5	CM112	F	302	GJ	5
CM112	CDEF	322	DFGHJK	1,3,5	CM112	F	322	F	5
CM112	CDEF	332	DFGHJK	1,3,5	CM112	F	332	GJ	5
CM112	CDEF	362	DFGHJK	1,3,5	CM112	F	362	FG	5
CM112	CDEF	392	DFGHJK	1,3,5	CM112	F	392	FG	3,5
CM112	CDEF	432	DFGHJK	1,3,5	CM112	F	432	GJ	5
CM112	CDEF	472	DFGHJK	1,3,5	CM112	F	472	GJ	5
CM112	CDEF	502	DFGHJK	1,3,5	CM112	F	<u>512</u>	F	3,5
CM112	CDEF	512	DFGHJK	1,3,5	CM112	F	<u>512</u>	F	3,5
CM112	CDEF	562	DFGHJK	1,3,5	CM112	F	562	GJ	5
CM112	CDEF	622	DFGHJK	1,3,5	CM112	F	622	G	3,5
CM112	CDEF	682	DFGHJK	1,3,5	CM112	F	682	GJ	5
CM112	CDEF	752	DFGHJK	1,3,5	CM112	F	752	GJ	5
CM112	CDEF	822	DFGHJK	1,3,5	CM112	F	822	DF	5
CM112	CDEF	912	DFGHJK	1,3,5	CM112	F	912	G	1,5
CM112	CDEF	103	DFGHJK	1,3,5	CM112	F	103	F	1,5
CM112	CDEF	113	DFGHJK	1,3,5	CM112	F	113	GJ	5
CM112	CDEF	123	DFGHJK	1,3,5	CM112	F	123	GJ	5
CM112	CDEF	133	DFGHJK	1,3,5	CM112	F	133	GJ	5
CM112	CDEF	153	DFGHJK	1,3,5	CM112	F	153	GJ	5
CM112	CDEF	163	DFGHJK	1,3,5	CM112	F	163	GJ	5
CM112	CDEF	183	DFGHJK	1,3,5	CM112	F	183	GJ	5
CM112	CDEF	203	DFGHJK	1,3,5	CM112	F	203	GJ	5

