



C	17	CF	620	J	-	7	U	N	-	X	O	T
MLC Capacitor	Case Size	Dielectric	Capacitance Codes	Capacitance Tolerance	Rated voltage	Termination	Lead Type	Test Level	Marking	Packaging		

Case Size

Case	Dimensions
04	0.040" x 0.020"
06	0.060" x 0.030"
07	0.110" x 0.070"
08	0.080" x 0.050"
11	0.055" x 0.055"
17	0.110" x 0.110"
18	0.110" x 0.110"
22	0.220" x 0.250"
40	0.380" x 0.380"

Dielectric Codes

Material	Characteristics
AH	P90 High-Q
CF	NPO High-Q

Capacitance Codes

1 st two digits are significant figures of capacitance, 3 rd digit denotes number of zeros, R = decimal point Examples:	1R0	1.0pF
	120	12pF
	471	470pF
	102	1,000pF

Voltage Codes

Code	Value
5	50V
1	100V
8	150V
6	200V
9	250V
3	300V
4	500V
7	1kV
A	1.5kV
G	2kV
B	2.5kV
D	3.6kV
H	7.2kV
S	SPECIAL

Capacitance Tolerance

Code	Value
A	± 0.05pF
B	± 0.1pF
C	± 0.25pF
D	± 0.5pF
F	± 1%
G	± 2%
J	± 5%
K	± 10%
M	± 20%
X	GMV
S	SPECIAL

<10pF A, B, C, D
>10pF F, G, J, K, M

Test Level

Code	Testing
X	Commercial or Industrial
Y	Reduced Visual
A	MIL-PRF-55681 Group A
C	MIL-PRF-55681 Group C
D	Customer Specified

Laser Mark

Code	Laser Marking
0	No marking
1*	Single-side marked
2*	Double-side marked
3*	Large single-side marked
4*	Large double-side marked
5*	Vertical edge marked
9	Customer Specified

*Reduces DWV Rating.

Packaging

Code	Packaging
T	Tape & Reel – Horizontal
V	Tape & Reel – Vertical
W	Waffle Pack
B	Bulk
P	Plastic Box
R	Tube (Rail)
S	Customer Specified

Termination Codes

Code	Termination System
T	Ag Termination, Ni Barrier Layer, Heavy SnPb Plated Solder
U	Ag Termination, Ni Barrier Layer, SnPb Plated Solder
S	Ag Termination, Ni Barrier Layer, Gold Flash*
Z	Ag Termination, Ni Barrier Layer, Sn Plated Solder*
E	Ag Termination, Enhanced Ni Barrier, Sn Plated Solder*
P**	AgPd Termination*
Q	Polymer Termination, Ni Barrier Layer, Sn Plated Solder*
Y	Polymer Termination, Ni Barrier Layer, SnPb Plated Solder
M**	Polymer Termination, Cu Barrier Layer, Sn Plated Solder*
W**	Ag Termination, Cu Barrier Layer, Sn Plated Solder*
H**	Ag Termination, Enhanced Cu Barrier, Sn Plated Solder*
V**	Ag Termination, Cu Barrier Layer, SnPb Plated Solder
R**	Ag Termination, Cu Barrier Layer, Heavy SnPb Plated Solder

** Nonmagnetic *Indicates RoHS terminations

Leading

Code	Lead Type
A	Axial Ribbon
B	Radial Ribbon
C	Center Ribbon
D	Specialty Customer Defined
E	Axial Wire
F	Radial Wire
N	NONE

Note: Consult your local Sales Office for RoHS compliant leaded devices.

Lead Termination Codes Leads are attached with high melting point solder (HMP) at 296°C.

Axial Ribbon - Code A	Radial Ribbon - Code B	Center Ribbon - Code C	Axial Wire Lead - Code E	Radial Wire Lead - Code F
				