



Surface-Mount Multilayer Ceramic Chip Capacitors
Vishay Vitramon Marking Option

Vishay Vitramon can provide on selected MLCC capacitors a laser marking.

Table with 9 columns: LETTER, 0, 1, 2, 3, 4, 5, 6, 7. Rows include letters A through y and their corresponding numerical values.

E. I. A. MARKING CODES - MARKING OPTION "M"



3rd digit: multiplier
 2nd digit: capacitance code
 1st digit: Vishay Vitramon company logo

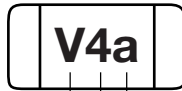
Examples:

VA9 = 0.1 pF
 Vd9 = 0.4 pF
 VA3 = 1000 pF
 VS4 = 47 000 pF

Notes

- Values less than 1.0 pF use 2nd character "9" (= divided by 10)
- Marking appears in laser-marked legible contrast
- Orientation of marking is vendor optional. Reference EIA 198
- For details see individual datasheets

AUTOMOTIVE SERIES MARKING - MARKING OPTION "B" - OPTIONAL



3rd digit "a to z" = week 1 to 26
 "A to Z" = week 27 to 52
 2nd digit = year
 1st digit = Vishay Vitramon company logo

Example:

V4a = year 2014, week 1

Notes

- Marking only on sizes 0805 and 1206 is optional
- No marking for AgPd terminated parts, termination code "F" and "E"
- Marking appears in laser-marked legible contrast

SAFETY CAP SERIES MARKING - MARKING OPTION "S"



2nd digit = dielectric and classification
 1st digit = Vishay Vitramon company logo

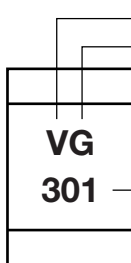
Examples:

VC = C0G (NP0), X1 / Y2 - "X" termination option
 VT = C0G (NP0), X2 - "X" termination option
 VD = C0G (NP0), X1 / Y2 - "W" flexible termination option
 VU = C0G (NP0), X2 - "W" flexible termination option
 VA = X7R, X1 / Y2 - "X" termination option
 VM = X7R, X2 - "X" termination option
 VB = X7R, X1 / Y2 - "W" flexible termination option
 VN = X7R, X2 - "W" flexible termination option

Note

- Marking appears in laser-marked legible contrast

HIFREQ SERIES MARKING - MARKING OPTION "Q"



1st digit = Vishay Vitramon company logo
 2nd digit = tolerance

Examples:

VG 301 = 300 pF, 2 %
 VB 8R2 = 8.2 pF ± 0.1 pF

3 digits capacitance code

Capacitance code

Expressed in picofarads (pF).
 The first two digits are significant, the third is a multiplier.
 An "R" indicates a decimal point.

Example:
 1R0 = 1.0 pF

Tolerance

V = ± 0.05 pF
 B = ± 0.10 pF
 C = ± 0.25 pF
 D = ± 0.50 pF
 F = ± 1 %
 G = ± 2 %
 J = ± 5 %
 K = ± 10 %
 M = ± 20 %