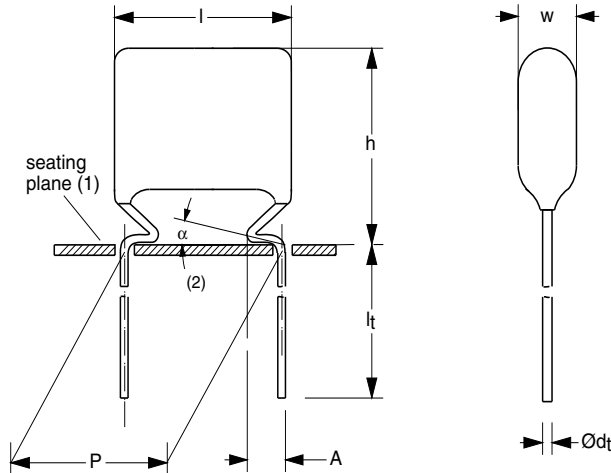
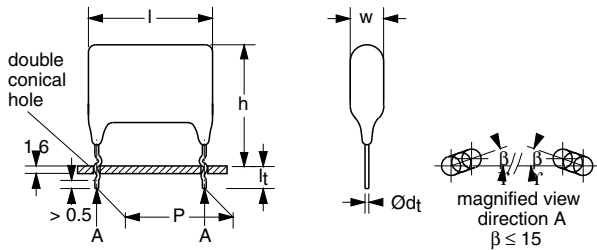


Metallized Polyester Film Capacitors MKT Radial Epoxy Lacquered Type



Dimensions in mm

- (1) Hole \varnothing 1.0 for $d_t = 0.6$ mm
Hole \varnothing 1.3 for $d_t = 0.8$ mm
- (2) $0 \leq \alpha < 50^\circ$
- (3) $A = 2.0 + 1.0/-0.5$ mm (pitch = 10.0 mm)
 $A = 2.5 + 1.4/-0.5$ mm (pitch = 15.0 mm, 22.5 mm and 27.5 mm)



Dimensions in mm

APPLICATIONS

Blocking and coupling. Bypass and energy reservoir

MARKING

C-value; tolerance; rated voltage

DIELECTRIC

Polyester film

ELECTRODES

Vacuum deposited aluminium

FEATURES

Available taped on reel and loose in box

- Material categorization:
for definitions of compliance please see
www.vishay.com/doc?99912



RoHS
COMPLIANT

COATING

Flame retardant epoxy material (UL-class 94 V-0)

CONSTRUCTION

Wound mono construction

LEADS

Tinned wire

CAPACITANCE RANGE (E12 SERIES)

0.001 to 1.0 μ F

CAPACITANCE TOLERANCE

$\pm 10\%$; $\pm 5\%$

RATED (DC) VOLTAGE

63 V; 100 V; 250 V; 400 V; 630 V

RATED (AC) VOLTAGE

40 V; 63 V; 160 V; 220 V; 250 V

CLIMATIC CATEGORY

55/105/56

RATED TEMPERATURE

85 $^\circ$ C

MAXIMUM APPLICATION TEMPERATURE

105 $^\circ$ C

REFERENCE SPECIFICATIONS

IEC 60384-2

PERFORMANCE GRADE

Grade 1 (long life)

DETAIL SPECIFICATION

For more detailed data and test requirements see "Type detail specification HQN-384-02/101"

COMPOSITION OF CATALOG NUMBER

| TYPE AND PITCHES | |
|------------------|---------|
| 368 | 10.0 mm |
| | 15.0 mm |
| | 22.5 mm |
| | 27.5 mm |

CAPACITANCE
(numerically)

| MULTIPLIER (nF) | |
|--------------------|---|
| 0.1 | 2 |
| 1 | 3 |
| 10 | 4 |
| 100 | 5 |

Example:
104 = 10 x 10 = 100 nF

| | | | | |
|-------|-----|----|----|---|
| 2222 | 368 | XX | XX | X |
| BFC2* | 368 | XX | XX | X |

* Use this partnumber for those with access to the Vishay's SAP system and Partners web-site within the Americas

| TYPE | PACKAGING | LEAD CONFIGURATION | ON REQUEST | | | | | | |
|------|---|--|--|--------|-------|-------|-------|-------|----|
| | | | C-TOL | 63 V | 100 V | 250 V | 400 V | 630 V | |
| 368 | loose in box | lead length 4.0 + 1.0/- 0.5 mm | ± 10 % | 15 | 25 | 45 | 55 | 65 | |
| | | | ± 5 % | 16 | 26 | 46 | 56 | 66 | |
| | | lead length 4.0 + 1.0/- 0.5 mm (lock lead) | ± 10 % | - | 90 | 90 | 90 | 90 | |
| | | dimensions of this code numbers stays between brackets | | | | | | | |
| | | lead length 3.5 ± 0.5 mm | ± 10 % | 13 | 23 | 43 | 53 | 63 | |
| | | | ± 5 % | 17 | 27 | 47 | 57 | 67 | |
| | long leads: 19.0 ± 4.0 mm for lead pitch = 15.0 mm 25.0 ± 4.0 mm for lead pitch = 22.5 mm 24.0 ± 4.0 mm for lead pitch = 27.5 mm | ± 10 % | 11 | 21 | 41 | 51 | 61 | | |
| | | ± 5 % | 12 | 22 | 42 | 52 | 62 | | |
| | | taped on reel | H = 16.0 mm; P ₀ = 12.7 mm; reel diameter = 500 mm | ± 10 % | 18 | 28 | 48 | 58 | 68 |
| | | | | ± 5 % | 19 | 29 | 49 | 59 | 69 |

SPECIFIC REFERENCE DATA

| DESCRIPTION | VALUE | | | | |
|---|-------------------------|--------------------------|--------------------------|-----------------|---------------------|
| | at 1 kHz | at 10 kHz | at 100 kHz | | |
| Tangent of loss angle: | | | | | |
| C ≤ 0.1 μF | ≤ 75 x 10 ⁻⁴ | ≤ 130 x 10 ⁻⁴ | ≤ 225 x 10 ⁻⁴ | | |
| 0.1 μF < C ≤ 0.47 μF | ≤ 75 x 10 ⁻⁴ | ≤ 130 x 10 ⁻⁴ | ≤ 300 x 10 ⁻⁴ | | |
| 0.47 μF < C ≤ 1.0 μF | ≤ 75 x 10 ⁻⁴ | ≤ 130 x 10 ⁻⁴ | - | | |
| Rated voltage pulse slope (dU/dt) _R | at 63 V (DC) | at 100 V (DC) | at 250 V (DC) | at 400 V (DC) | at 630 V (DC) |
| P = 10 mm | 30 V/μs | 30 V/μs | 70 V/μs | 110 V/μs | 70 V/μs |
| P = 15 mm | | 20 V/μs | 28 V/μs | 44 V/μs | 70 V/μs |
| P = 22.5 mm | | 8 V/μs | 12 V/μs | 20 V/μs | 28 V/μs |
| P = 27.5 mm | | 7 V/μs | 10 V/μs | 16 V/μs | 24 V/μs |
| R between leads, for C ≤ 0.33 μF: | | | | | |
| at 10 V; 1 minute | > 15000 MΩ | | | | |
| at 100 V; 1 minute | | > 15000 MΩ | > 30000 MΩ | > 30000 MΩ | |
| at 500 V; 1 minute | | | | | > 30000 MΩ |
| RC between leads, for C > 0.33 μF: | | | | | |
| at 10 V; 1 minute | > 5000 s | | | | |
| at 100 V; 1 minute | | > 5000 s | > 10000 s | > 10000 s | |
| at 500 V; 1 minute | | | | | > 10000 s |
| R between interconnecting leads and casing; | | | | | |
| at 10 V; 1 minute | > 30000 MΩ | | | | |
| at 100 V; 1 minute | | > 30000 MΩ | > 30000 MΩ | > 30000 MΩ | |
| at 500 V; 1 minute | | | | | > 30000 MΩ |
| Withstanding (DC) voltage (cut off current 10 mA); rise time 100 V/s | 100 V; 1 minute | 160 V; 1 minute | 400 V; 1 minute | 640 V; 1 minute | 1008 V; 1 minute |
| Withstanding (DC) voltage between leads and case | 200 V; 1 minute | 200 V; 1 minute | 500 V; 1 minute | 800 V; 1 minute | 1260 V; 1 minute |



$U_{Rdc} = 63\text{ V}$; $U_{Rac} = 40\text{ V}$

| C (μF) | DIMENSIONS $w_{\text{max}} \times h_{\text{max}} \times l_{\text{max}}$ (mm) | MASS (g) | CATALOG NUMBER 2222 368 AND PACKAGING | | | | | |
|--|--|-------------|---|-------------|------------------|------|----------------------------------|------|
| | | | LOOSE IN BOX | | | REEL | LOOSE IN BOX | |
| | | | $l_t = 4.0 + 1.0/-0.5\text{ mm}$ | short leads | long leads | SPQ | $l_t = 4.0 + 1.0/-0.5\text{ mm}$ | SPQ |
| | | | C-tol = $\pm 10\%$ | SPQ | SPQ | | C-tol = $\pm 10\%$ | |
| last 5 digits of catalog number | last 5 digits of catalog number | | | | | | | |
| Pitch = $10.0 \pm 0.4\text{ mm}$; $d_t = 0.60 \pm 0.06\text{ mm}$ | | | | | lock lead | | | |
| 0.22 | 4.2 x 13.2 (15.5) x 12.5 | 0.5 | 15224 | 2000 | 1000 | 1300 | 90316 | 1100 |
| 0.27 | 4.0 x 12.8 (15.5) x 12.5 | 0.5 | 15274 | 2000 | 1000 | 1300 | 90317 | 1100 |
| 0.33 | 4.3 x 13.1 (15.5) x 12.5 | 0.5 | 15334 | 2000 | 1000 | 1300 | 90318 | 1100 |
| 0.39 | 4.2 x 12.9 (15.5) x 12.5 | 0.5 | 15394 | 2000 | 1000 | 1300 | 90319 | 1100 |
| 0.47 | 4.3 x 13.4 (16.0) x 12.5 | 0.5 | 15474 | 2000 | 1000 | 1200 | 90321 | 1000 |
| 0.56 | 4.7 x 13.7 (16.0) x 12.5 | 0.5 | 15564 | 2000 | 1000 | 1200 | 90322 | 1000 |
| 0.68 | 5.1 x 14.1 (16.5) x 12.5 | 0.6 | 15684 | 2000 | 1000 | 1100 | 90323 | 1500 |
| 0.82 | 5.5 x 14.5 (17.0) x 12.5 | 0.6 | 15824 | 2000 | 1000 | 1000 | 90324 | 1250 |
| 1.0 | 6.0 x 15.0 (17.5) x 12.5 | 0.8 | 15105 | 2000 | 1000 | 900 | 90325 | 1250 |

$U_{Rdc} = 100\text{ V}$; $U_{Rac} = 63\text{ V}$

| C (μF) | DIMENSIONS $w_{\text{max}} \times h_{\text{max}} \times l_{\text{max}}$ (mm) | MASS (g) | CATALOG NUMBER 2222 368 AND PACKAGING | | | | | |
|--|--|-------------|---|-------------|------------------|------|----------------------------------|------|
| | | | LOOSE IN BOX | | | REEL | LOOSE IN BOX | |
| | | | $l_t = 4.0 + 1.0/-0.5\text{ mm}$ | short leads | long leads | SPQ | $l_t = 4.0 + 1.0/-0.5\text{ mm}$ | SPQ |
| | | | C-tol = $\pm 10\%$ | SPQ | SPQ | | C-tol = $\pm 10\%$ | |
| last 5 digits of catalog number | last 5 digits of catalog number | | | | | | | |
| Pitch = $10.0 \pm 0.4\text{ mm}$; $d_t = 0.60 \pm 0.06\text{ mm}$ | | | | | lock lead | | | |
| 0.056 | 4.0 x 13.0 (15.0) x 12.5 | 0.4 | 25563 | 2000 | 1000 | 1500 | 90205 | 1250 |
| 0.068 | | | 25683 | | | | 90206 | |
| 0.082 | 3.7 x 12.7 (15.0) x 12.5 | 0.4 | 25823 | 2000 | 1000 | 1500 | 90207 | 1250 |
| 0.10 | 4.0 x 13.0 (15.0) x 12.5 | 0.4 | 25104 | 2000 | 1000 | 1500 | 90208 | 1250 |
| 0.12 | 4.3 x 13.3 (15.0) x 12.5 | 0.4 | 25124 | 2000 | 1000 | 1500 | 90209 | 1250 |
| 0.15 | 3.9 x 12.9 (15.0) x 12.5 | 0.4 | 25154 | 2000 | 1000 | 1500 | 90211 | 1250 |
| 0.18 | 4.2 x 13.2 (15.5) x 12.5 | 0.5 | 25184 | 2000 | 1000 | 1300 | 90212 | 1100 |
| 0.22 | 4.5 x 13.6 (16.0) x 12.5 | 0.5 | 25224 | 2000 | 1000 | 1200 | 90213 | 1000 |
| Pitch = $15.0 \pm 0.4\text{ mm}$; $d_t = 0.80 \pm 0.08\text{ mm}$ | | | | | lock lead | | | |
| 0.27 | 5.0 x 14.0 (17.0) x 17.5 | 0.6 | 25274 | 2000 | 1000 | 1200 | 90214 | 1750 |
| 0.33 | | | 25334 | | | | 90215 | |
| 0.39 | | | 25394 | | | | 90216 | |
| 0.47 | 5.5 x 14.5 (17.5) x 17.5 | 0.7 | 25474 | 2000 | 1000 | 1100 | 90217 | 1500 |
| 0.56 | | | 25564 | | | | 90218 | |
| 0.68 | 6.0 x 15.0 (18.0) x 17.5 | 0.9 | 25684 | 2000 | 1000 | 1000 | 90219 | 1500 |
| 0.82 | 6.5 x 15.5 (18.5) x 17.5 | 1.0 | 25824 | 1000 | 1000 | 900 | 90221 | 1250 |
| 1.0 | 7.5 x 16.5 (19.5) x 17.5 | 1.3 | 25105 | 1000 | 1000 | 800 | 90222 | 1000 |



| C (μ F) | DIMENSIONS $w_{max} \times h_{max} \times l_{max}$ (mm) | MASS (g) | CATALOG NUMBER 2222 368 AND PACKAGING | | | | | | |
|--|---|-------------|---|-------------|------------|-------|------------------------------|-------|-----|
| | | | LOOSE IN BOX | | | REEL | LOOSE IN BOX | | |
| | | | $l_t =$ 4.0 + 1.0/- 0.5 mm | short leads | long leads | SPQ | $l_t =$ 4.0 + 1.0/-0.5 mm | SPQ | |
| | | | C-tol = \pm 10 % | SPQ | SPQ | | C-tol = \pm 10 % | | |
| last 5 digits of catalog number | last 5 digits of catalog number | | | | | | | | |
| Pitch = 22.5 \pm 0.4 mm; $d_t = 0.80 \pm 0.08$ mm | | | | | | | lock lead | | |
| 1.2 | 6.0 x 18.0 (21.0) x 26.0 | 2.5 | 25125 | 1000 | 1000 | SPQ | 90223 | 1000 | |
| 1.5 | | | 25155 | | | | 90224 | | |
| 1.8 | 7.0 x 19.0 (22.0) x 26.0 | 3.2 | 25185 | 1000 | 1000 | | 90225 | 900 | |
| 2.2 | 7.5 x 19.5 (23.0) x 26.0 | 3.5 | 25225 | 1000 | 500 | | 90226 | 750 | |
| 2.7 | 8.5 x 21.5 (24.0) x 26.0 | 4.1 | 25275 | 1000 | 500 | | 90227 | 600 | |
| 3.3 | 9.0 x 22.0 (24.5) x 26.0 | 4.5 | 25335 | 1000 | 500 | | 90228 | 600 | |
| Pitch = 27.5 \pm 0.4 mm; $d_t = 0.80 \pm 0.08$ mm | | | | | | | lock lead | | |
| 3.9 | 9.0 x 22.0 (24.0) x 30.0 | 4.8 | 25395 | 500 | 500 | | SPQ | 90229 | 500 |
| 4.7 | 10.0 x 23.0 (25.0) x 30.0 | 5.5 | 25475 | 500 | 500 | 90178 | | 400 | |
| 5.6 | 11.0 x 24.0 (26.0) x 30.0 | 6.2 | 25565 | 500 | 250 | 90231 | | 350 | |
| 6.8 | 12.0 x 25.0 (27.0) x 30.0 | 6.8 | 25685 | 500 | 250 | 90232 | | 350 | |

$U_{Rdc} = 250$ V; $U_{Rac} = 160$ V

| C (μ F) | DIMENSIONS $w_{max} \times h_{max} \times l_{max}$ (mm) | MASS (g) | CATALOG NUMBER 2222 368 AND PACKAGING | | | | | |
|--|---|-------------|---|-------------|------------|------|------------------------------|------|
| | | | LOOSE IN BOX | | | REEL | LOOSE IN BOX | |
| | | | $l_t =$ 4.0 + 1.0/- 0.5 mm | short leads | long leads | SPQ | $l_t =$ 4.0 + 1.0/-0.5 mm | SPQ |
| | | | C-tol = \pm 10 % | SPQ | SPQ | | C-tol = \pm 10 % | |
| last 5 digits of catalog number | last 5 digits of catalog number | | | | | | | |
| Pitch = 10.0 \pm 0.4 mm; $d_t = 0.60 \pm 0.06$ mm | | | | | | | lock lead | |
| 0.027 | 4.2 x 13.0 (15.0) x 12.5 | 0.4 | 45273 | 2000 | 1000 | 1500 | 90233 | 1250 |
| 0.033 | 4.6 x 13.0 (15.0) x 12.5 | 0.5 | 45333 | 2000 | 1000 | 1300 | 90234 | 1250 |
| 0.039 | 4.0 x 13.0 (15.0) x 12.5 | 0.4 | 45393 | 2000 | 1000 | 1500 | 90235 | 1250 |
| 0.047 | 4.5 x 13.5 (15.5) x 12.5 | 0.5 | 45473 | 2000 | 1000 | 1500 | 90176 | 1250 |
| 0.056 | 4.6 x 13.5 (15.5) x 12.5 | 0.5 | 45563 | 2000 | 1000 | 1300 | 90236 | 1100 |
| 0.068 | | | 45683 | | | | 90237 | |
| 0.082 | 4.4 x 13.4 (16.0) x 12.5 | 0.5 | 45823 | 2000 | 1000 | 1200 | 90238 | 1000 |
| 0.10 | 4.7 x 13.7 (16.0) x 12.5 | 0.5 | 45104 | 2000 | 1000 | 1200 | 90177 | 1000 |
| Pitch = 15.0 \pm 0.4 mm; $d_t = 0.80 \pm 0.08$ mm | | | | | | | lock lead | |
| 0.12 | 5.0 x 14.0 (17.0) x 17.5 | 0.6 | 45124 | 2000 | 1000 | 1200 | 90239 | 1750 |
| 0.15 | | | 45154 | | | | 90241 | |
| 0.18 | 5.5 x 14.5 (17.5) x 17.5 | 0.7 | 45184 | 2000 | 1000 | 1100 | 90242 | 1500 |
| 0.22 | 6.0 x 15.0 (18.0) x 17.5 | 0.9 | 45224 | 2000 | 1000 | 1000 | 90243 | 1500 |
| 0.27 | 6.0 x 15.5 (18.5) x 17.5 | 1.0 | 45274 | 2000 | 1000 | 900 | 90244 | 1250 |
| 0.33 | 6.8 x 16.0 (19.0) x 17.5 | 1.2 | 45334 | 1000 | 1000 | 800 | 90245 | 1250 |
| Pitch = 22.5 \pm 0.4 mm; $d_t = 0.80 \pm 0.08$ mm | | | | | | | lock lead | |
| 0.39 | 5.0 x 17.0 (20.0) x 26.0 | 1.8 | 45394 | 1000 | 1000 | SPQ | 90246 | 1250 |
| 0.47 | 5.5 x 17.5 (20.5) x 26.0 | 2.2 | 45474 | 1000 | 1000 | | 90247 | 1250 |
| 0.56 | 6.0 x 18.0 (21.0) x 26.0 | 2.5 | 45564 | 1000 | 1000 | | 90248 | 1000 |
| 0.68 | 6.6 x 18.5 (21.5) x 26.0 | 2.8 | 45684 | 1000 | 1000 | | 90249 | 1000 |
| 0.82 | 7.2 x 19.0 (22.0) x 26.0 | 3.2 | 45824 | 1000 | 1000 | | 90251 | 900 |
| 1.0 | 8.0 x 20.0 (23.0) x 26.0 | 3.8 | 45105 | 1000 | 500 | | 90252 | 750 |



| C (μ F) | DIMENSIONS $w_{max} \times h_{max} \times l_{max}$ (mm) | MASS (g) | CATALOG NUMBER 2222 368 AND PACKAGING | | | | | |
|---|---|-------------|---|-------------|------------|------|------------------------------|-----|
| | | | LOOSE IN BOX | | | REEL | LOOSE IN BOX | |
| | | | $l_t =$ 4.0 + 1.0/- 0.5 mm | short leads | long leads | SPQ | $l_t =$ 4.0 + 1.0/-0.5 mm | SPQ |
| | | | C-tol = \pm 10 % | SPQ | SPQ | | C-tol = \pm 10 % | |
| last 5 digits of catalog number | last 5 digits of catalog number | | | | | | | |
| Pitch = 27.5 \pm 0.4 mm; $d_t = 0.80 \pm 0.08$ mm | | | | | | | lock lead | |
| 1.2 | 8.0 x 21.0 (23.0) x 30.0 | 4.1 | 45125 | 500 | 500 | | 90253 | 600 |
| 1.5 | 9.0 x 22.0 (25.0) x 30.0 | 4.8 | 45155 | 500 | 500 | | 90254 | 450 |
| 1.8 | 10.0 x 23.0 (26.0) x 30.0 | 5.5 | 45185 | 500 | 500 | | 90255 | 400 |
| 2.2 | 11.0 x 24.0 (27.0) x 30.0 | 6.2 | 45225 | 500 | 250 | | 90256 | 350 |

$U_{Rdc} = 400$ V; $U_{Rac} = 220$ V

| C (μ F) | DIMENSIONS $w_{max} \times h_{max} \times l_{max}$ (mm) | MASS (g) | CATALOG NUMBER 2222 368 AND PACKAGING | | | | | |
|---|---|-------------|---|-------------|------------|------|------------------------------|------|
| | | | LOOSE IN BOX | | | REEL | LOOSE IN BOX | |
| | | | $l_t =$ 4.0 + 1.0/- 0.5 mm | short leads | long leads | SPQ | $l_t =$ 4.0 + 1.0/-0.5 mm | SPQ |
| | | | C-tol = \pm 10 % | SPQ | SPQ | | C-tol = \pm 10 % | |
| last 5 digits of catalog number | last 5 digits of catalog number | | | | | | | |
| Pitch = 10.0 \pm 0.4 mm; $d_t = 0.60 \pm 0.06$ mm | | | | | | | lock lead | |
| 0.0010 | 4.5 x 13.5 (15.5) x 12.5 | 0.5 | 55102 | 2000 | 1000 | 1500 | 90257 | 1100 |
| 0.0012 | | | 55122 | | | | 90258 | |
| 0.0015 | | | 55152 | | | | 90259 | |
| 0.0018 | | | 55182 | | | | 90261 | |
| 0.0022 | 4.0 x 13.0 (15.5) x 12.5 | 0.5 | 55222 | 2000 | 1000 | 1500 | 90262 | 1100 |
| 0.0027 | 4.3 x 13.3 (15.5) x 12.5 | 0.5 | 55272 | 2000 | 1000 | 1500 | 90263 | 1100 |
| 0.0033 | 4.6 x 13.6 (15.5) x 12.5 | 0.5 | 55332 | 2000 | 1000 | 1500 | 90264 | 1100 |
| 0.0039 | 4.0 x 13.0 (15.5) x 12.5 | 0.5 | 55392 | 2000 | 1000 | 1500 | 90265 | 1100 |
| 0.0047 | 4.1 x 13.2 (15.5) x 12.5 | 0.5 | 55472 | 2000 | 1000 | 1500 | 90266 | 1100 |
| 0.0056 | 4.6 x 13.6 (15.5) x 12.5 | 0.5 | 55562 | 2000 | 1000 | 1500 | 90267 | 1100 |
| 0.0068 | | | 55682 | | | | 90268 | |
| 0.0082 | | | 55822 | | | | 90269 | |
| 0.010 | | | 55103 | | | | 90271 | |
| 0.012 | 4.0 x 13.0 (15.5) x 12.5 | 0.5 | 55123 | 2000 | 1000 | 1500 | 90272 | 1100 |
| 0.015 | 4.1 x 13.0 (15.5) x 12.5 | 0.5 | 55153 | 2000 | 1000 | 1300 | 90273 | 1100 |
| 0.018 | 4.4 x 13.0 (15.5) x 12.5 | 0.5 | 55183 | 2000 | 1000 | 1500 | 90274 | 1100 |
| 0.022 | 4.2 x 12.9 (15.5) x 12.5 | 0.5 | 55223 | 2000 | 1000 | 1500 | 90175 | 1100 |
| 0.027 | 4.2 x 13.2 (15.5) x 12.5 | 0.5 | 55273 | 2000 | 1000 | 1300 | 90275 | 1100 |
| 0.033 | 4.6 x 13.7 (15.5) x 12.5 | 0.5 | 55333 | 2000 | 1000 | 1300 | 90188 | 1100 |
| Pitch = 15.0 \pm 0.4 mm; $d_t = 0.80 \pm 0.08$ mm | | | | | | | lock lead | |
| 0.039 | 5.0 x 13.9 (16.5) x 17.5 | 0.6 | 55393 | 2000 | 1000 | 1200 | 90276 | 2000 |
| 0.047 | 5.4 x 14.5 (17.0) x 17.5 | 0.7 | 55473 | 2000 | 1000 | 1200 | 90277 | 1750 |
| 0.056 | 5.0 x 13.7 (16.5) x 17.5 | 0.6 | 55563 | 2000 | 1000 | 1200 | 90278 | 2000 |
| 0.068 | 5.0 x 13.5 (16.5) x 17.5 | 0.6 | 55683 | 2000 | 1000 | 1200 | 90279 | 2000 |
| 0.082 | 4.8 x 14.0 (16.5) x 17.5 | 0.6 | 55823 | 2000 | 1000 | 1100 | 90281 | 2000 |
| 0.10 | 5.3 x 14.5 (17.5) x 17.5 | 0.7 | 55104 | 2000 | 1000 | 1000 | 90186 | 1500 |
| 0.12 | 5.7 x 15.0 (18.0) x 17.5 | 0.9 | 55124 | 1000 | 1000 | 900 | 90282 | 1500 |
| 0.15 | 6.4 x 15.5 (18.5) x 17.5 | 1.0 | 55154 | 1000 | 1000 | 800 | 90187 | 1250 |



| C (μ F) | DIMENSIONS $w_{max} \times h_{max} \times l_{max}$ (mm) | MASS (g) | CATALOG NUMBER 2222 368 AND PACKAGING | | | | | |
|--|---|-------------|---|-------------|------------|------|------------------------------|------|
| | | | LOOSE IN BOX | | | REEL | LOOSE IN BOX | |
| | | | $l_t =$ 4.0 + 1.0/- 0.5 mm | short leads | long leads | SPQ | $l_t =$ 4.0 + 1.0/-0.5 mm | SPQ |
| | | | C-tol = \pm 10 % | SPQ | SPQ | | C-tol = \pm 10 % | |
| last 5 digits of catalog number | last 5 digits of catalog number | | | | | | | |
| Pitch = 22.5 \pm 0.4 mm; $d_t = 0.80 \pm 0.08$ mm | | | | | | | lock lead | |
| 0.18 | 5.6 x 17.5 (20.5) x 26.0 | 2.2 | 55184 | 1000 | 1000 | | 90283 | 1250 |
| 0.22 | 6.3 x 18.5 (21.5) x 26.0 | 2.8 | 55224 | 1000 | 1000 | | 90284 | 1000 |
| 0.27 | 6.0 x 18.0 (21.0) x 26.0 | 2.5 | 55274 | 1000 | 1000 | | 90285 | 1000 |
| 0.33 | 6.4 x 18.5 (21.5) x 26.0 | 2.8 | 55334 | 1000 | 1000 | | 90286 | 1000 |
| 0.39 | 7.1 x 19.0 (21.5) x 26.0 | 2.8 | 55394 | 1000 | 1000 | | 90287 | 900 |
| 0.47 | 8.0 x 20.0 (22.5) x 26.0 | 3.8 | 55474 | 1000 | 500 | | 90179 | 750 |
| Pitch = 27.5 \pm 0.4 mm; $d_t = 0.80 \pm 0.08$ mm | | | | | | | lock lead | |
| 0.56 | 7.5 x 20.5 (22.5) x 30.0 | 3.8 | 55564 | 500 | 500 | | 90288 | 600 |
| 0.68 | 8.5 x 21.5 (23.5) x 30.0 | 4.5 | 55684 | 500 | 500 | | 90289 | 500 |
| 0.82 | 9.5 x 22.5 (24.5) x 30.0 | 5.2 | 55824 | 500 | 500 | | 90291 | 450 |
| 1.0 | 10.5 x 23.5 (26.5) x 30.0 | 5.8 | 55105 | 500 | 250 | | 90292 | 350 |

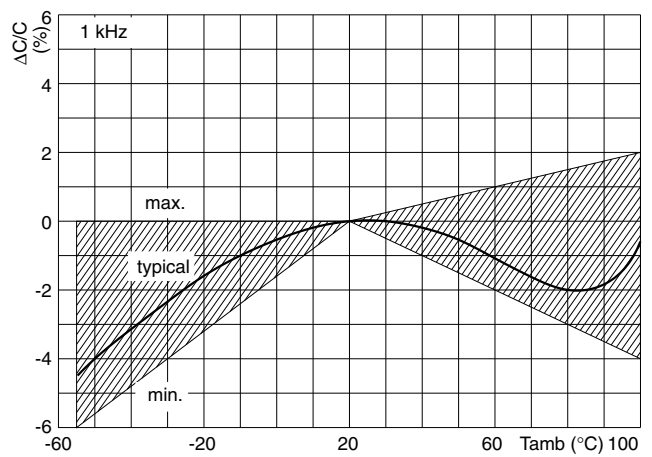
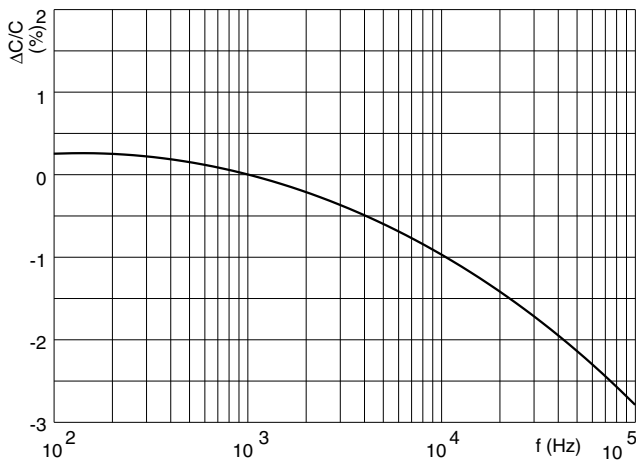
$U_{Rdc} = 630$ V; $U_{Rac} = 250$ V

| C (μ F) | DIMENSIONS $w_{max} \times h_{max} \times l_{max}$ (mm) | MASS (g) | CATALOG NUMBER 2222 368 AND PACKAGING | | | | | |
|--|---|-------------|---|-------------|------------|------|------------------------------|------|
| | | | LOOSE IN BOX | | | REEL | LOOSE IN BOX | |
| | | | $l_t =$ 4.0 + 1.0/- 0.5 mm | short leads | long leads | SPQ | $l_t =$ 4.0 + 1.0/-0.5 mm | SPQ |
| | | | C-tol = \pm 10 % | SPQ | SPQ | | C-tol = \pm 10 % | |
| last 5 digits of catalog number | last 5 digits of catalog number | | | | | | | |
| Pitch = 10.0 \pm 0.4 mm; $d_t = 0.60 \pm 0.06$ mm | | | | | | | lock lead | |
| 0.010 | 4.3 x 13.1 (15.5) x 12.5 | 0.5 | 65103 | 2000 | 1000 | 1300 | 90293 | 1100 |
| 0.012 | 4.6 x 13.4 (16.0) x 12.5 | 0.5 | 65123 | 2000 | 1000 | 1200 | 90294 | 1000 |
| 0.015 | 4.9 x 13.9 (16.5) x 12.5 | 0.6 | 65153 | 2000 | 1000 | 1100 | 90295 | 1500 |
| 0.018 | 5.3 x 14.3 (17.0) x 12.5 | 0.6 | 65183 | 2000 | 1000 | 1000 | 90296 | 1250 |
| 0.022 | 5.9 x 14.9 (17.5) x 12.5 | 0.8 | 65223 | 2000 | 1000 | 900 | 90297 | 1250 |
| Pitch = 15.0 \pm 0.4 mm; $d_t = 0.80 \pm 0.08$ mm | | | | | | | lock lead | |
| 0.027 | 5.5 x 14.5 (17.5) x 17.5 | 0.7 | 65273 | 2000 | 1000 | 1100 | 90298 | 1500 |
| 0.033 | 6.0 x 15.0 (18.0) x 17.5 | 0.9 | 65333 | 2000 | 1000 | 1000 | 90299 | 1500 |
| 0.039 | 6.3 x 15.5 (18.5) x 17.5 | 1.0 | 65393 | 2000 | 1000 | 900 | 90301 | 1250 |
| 0.047 | 7.0 x 16.0 (19.0) x 17.5 | 1.2 | 65473 | 2000 | 1000 | 800 | 90302 | 1250 |
| 0.056 | 7.5 x 16.5 (19.5) x 17.5 | 1.3 | 65563 | 1000 | 1000 | 800 | 90303 | 1000 |
| 0.068 | 8.0 x 17.0 (20.0) x 17.5 | 1.4 | 65683 | 1000 | 1000 | 750 | 90304 | 1000 |
| Pitch = 22.5 \pm 0.4 mm; $d_t = 0.80 \pm 0.08$ mm | | | | | | | lock lead | |
| 0.082 | 6.1 x 18.0 (21.0) x 26.0 | 2.5 | 65823 | 1000 | 1000 | | 90305 | 1000 |
| 0.10 | 7.0 x 19.0 (22.0) x 26.0 | 3.2 | 65104 | 1000 | 1000 | | 90306 | 900 |
| 0.12 | 7.2 x 19.5 (22.5) x 26.0 | 3.5 | 65124 | 1000 | 1000 | | 90307 | 750 |
| 0.15 | 8.0 x 21.0 (23.0) x 26.0 | 3.8 | 65154 | 1000 | 500 | | 90308 | 750 |
| 0.18 | 9.0 x 22.0 (24.0) x 26.0 | 4.5 | 65184 | 1000 | 500 | | 90309 | 600 |
| 0.22 | 10.0 x 23.0 (25.0) x 26.0 | 5.2 | 65224 | 1000 | 500 | | 90311 | 550 |

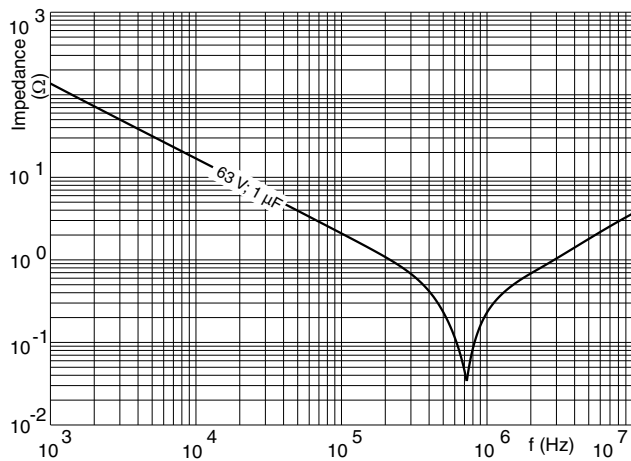


| C (μ F) | DIMENSIONS $w_{max} \times h_{max} \times l_{max}$ (mm) | MASS (g) | CATALOG NUMBER 2222 368 AND PACKAGING | | | | | |
|---|---|-------------|---|-------------|------------|------|------------------------------|-----|
| | | | LOOSE IN BOX | | | REEL | LOOSE IN BOX | |
| | | | $l_t =$ 4.0 + 1.0/- 0.5 mm | short leads | long leads | SPQ | $l_t =$ 4.0 + 1.0/-0.5 mm | SPQ |
| | | | C-tol = \pm 10 % | SPQ | SPQ | | C-tol = \pm 10 % | |
| last 5 digits of catalog number | | | last 5 digits of catalog number | | | | | |
| Pitch = 27.5 \pm 0.4 mm; $d_t = 0.80 \pm 0.08$ mm | | | | | | | lock lead | |
| 0.27 | 10.0 x 23.0 (25.0) x 30.0 | 5.5 | 65274 | 500 | 500 | | 90312 | 400 |
| 0.33 | 11.5 x 24.5 (26.5) x 30.0 | 6.5 | 65334 | 500 | 250 | | 90313 | 350 |
| 0.39 | 12.5 x 25.5 (28.5) x 30.0 | 7.1 | 65394 | 500 | 250 | | 90314 | 300 |
| 0.47 | 14.0 x 27.0 (30.0) x 30.0 | 8.2 | 65474 | 250 | 250 | | 90315 | 250 |

CAPACITANCE

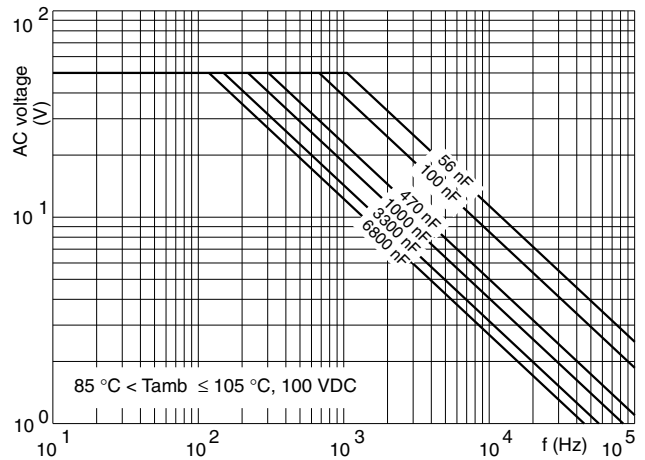
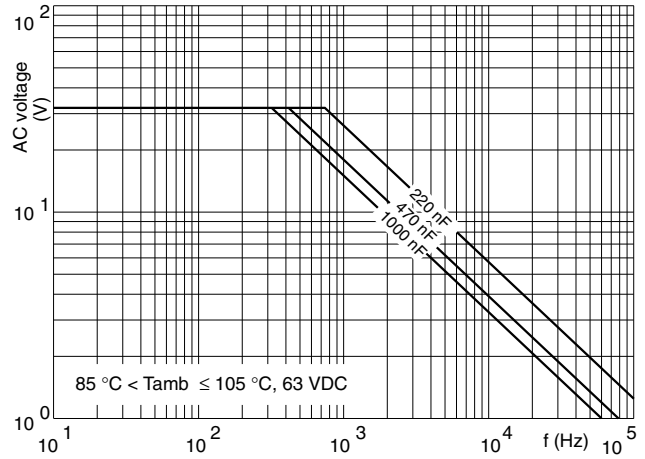
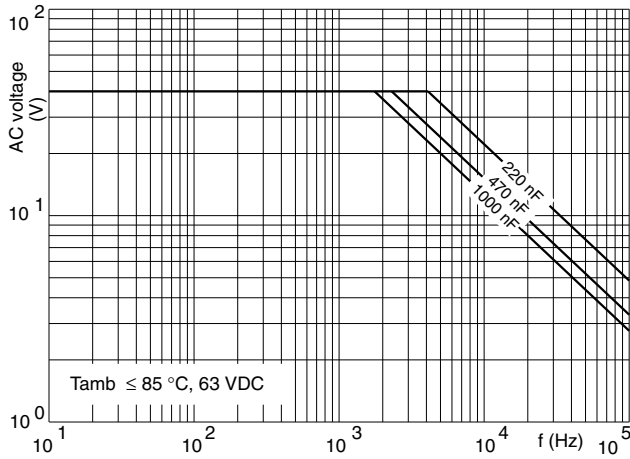


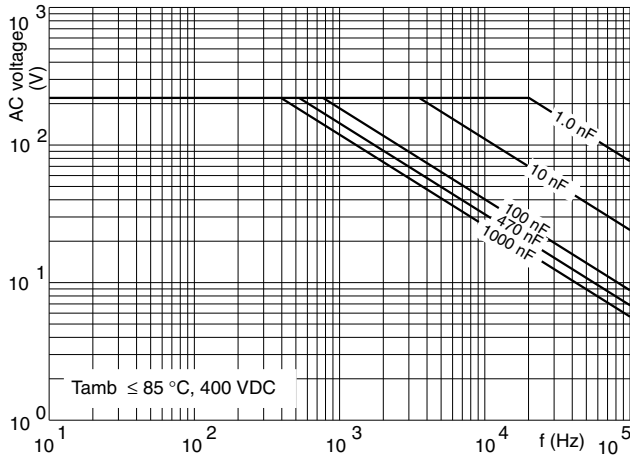
IMPEDANCE





MAXIMUM RMS VOLTAGE (SINEWAVE) AS A FUNCTION OF FREQUENCY







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