PHE844, Class X1, 440/480 VAC, 105°C



Overview

The PHE844 series is constructed of metallized polypropylene film encapsulated with self-extinguishing resin in a box of material that meets the requirements of UL 94 V-0.

Applications

For use as an electromagnetic interference (EMI) suppression filter in across-the-line applications that require X1 safety classification. Suitable for use in situations in which capacitor failure does not pose a danger of electric shock.

Benefits

Approvals: ENEC, UL, cULClass X1 (IEC 60384-14)

 THB Grade IA: 40°C, 93% RH, 500 hours at 480 V URAC acc. to IEC 60384-14

 Rated voltage: 440 VAC 50/60 Hz (ENEC), 480 VAC 50/60 Hz (UL, cUL)

Capacitance range: 0.1 – 2.2 μF
Lead spacing: 22.5 – 37.5 mm
Capacitance tolerance: ±20%, ±10%

• Climatic category 40/105/56/B, IEC 60068-1

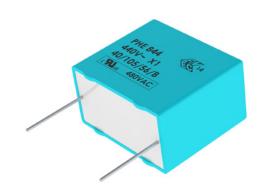
• Tape & Reel in accordance with IEC 60286-2

· RoHS Compliant and lead-free terminations

- Operating temperature range of -40 $^{\circ}\text{C}$ to +105 $^{\circ}\text{C}$

• 100% screening factory test at 3,000 VDC

Self-healing properties



Customer Part Number

| PHE844 | R | D | 6100 | M | R06L2 |
|---------------------------------|---------------------|----------------------------------|--|--------------------------|-------------------------------|
| Series | Rated Voltage (VAC) | Lead Spacing (mm) | Capacitance Code (pF) | Capacitance Tolerance | Packaging |
| X1, Metallized Polypropylene | R = 440 | D = 22.5 F = 27.5 R = 37.5 | The last three digits represent significant figures. The first digit specifies the total number of digits. | K = ±10% M = ±20% | See Ordering Options Table |

KEMET Internal Part Number

| F | 844 | D | Н | 104 | M | 440 | С |
|--------------------|---------------------------------|----------------------------------|---------------------------|--|--------------------------|------------------------|-------------------------------|
| Capacitor Class | Series | Lead Spacing (mm) | Size Code | Capacitance Code (pF) | Capacitance Tolerance | Rated Voltage (VAC) | Packaging |
| F = Film | X1, Metallized Polypropylene | D = 22.5 F = 27.5 R = 37.5 | See Dimension Table | The first two digits represent significant figures. The third digit specifies number of zeros. | K = ±10% M = ±20% | 440 = 440 | See Ordering Options Table |

Built Into Tomorrow



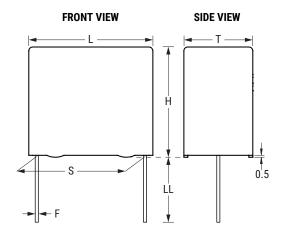
Ordering Options Table

| Lead Spacing Nominal (mm) | Type of Leads and Packaging | Lead Length (mm) | KEMET Lead and Packaging Code | Legacy Lead and Packaging Code |
|------------------------------------|-------------------------------------|----------------------------|--|---|
| | Standard Lead and Packaging Options | | | |
| | Bulk (Tray)-Short Leads | 6 +0/-1 | С | R06L2 ⁽¹⁾ |
| | Other Lead and Packaging Options | | | |
| 22.5 | Pizza Pack | 6 +0/-1 | Z | R06L2 ⁽¹⁾ |
| | Bulk (Tray)-Long Leads | 30 +0/-1 | ALW0L | R30L2 |
| | Tape & Reel (Standard Reel) | H ₀ = 18.5 ±0.5 | L | R17T0 |
| | Tape & Reel (Large Reel) | H ₀ = 18.5 ±0.5 | Р | R17T1 |
| | Standard Lead and Packaging Options | | | |
| | Bulk (Tray)-Short Leads | 6 +0/-1 | С | R06L2 ⁽¹⁾ |
| 27.5 | Other Lead and Packaging Options | | | |
| | Pizza Pack | 6 +0/-1 | Z | R06L2 ⁽¹⁾ |
| | Bulk (Tray)-Long Leads | 30 +0/-1 | ALW0L | R30L2 |
| | Tape & Reel (Large Reel) | H ₀ = 18.5 ±0.5 | Р | R17T1 |
| | Standard Lead and Packaging | | | |
| | Options | | | |
| 37.5 | Bulk (Tray)-Short Leads | 6 +0/-1 | С | R06L2 ⁽¹⁾ |
| 52.13 | Other Lead and Packaging Options | | | |
| | Pizza Pack | 6 +0/-1 | Z | R06L2 ⁽¹⁾ |

⁽¹⁾ Please specify Bulk (Tray) or Pizza Packaging



Dimensions - Millimeters



| KEMET Size | Legacy Size | | S | | T | | Н | | L | F | |
|------------|--|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Code | Code | Nominal | Tolerance |
| DH | D14 | 22.5 | ±0.4 | 8.0 | Maximum | 16.0 | Maximum | 26.0 | Maximum | 0.8 | ±0.05 |
| DM | D15 | 22.5 | ±0.4 | 9.0 | Maximum | 18.5 | Maximum | 26.0 | Maximum | 0.8 | ±0.05 |
| DT | D16 | 22.5 | ±0.4 | 11.0 | Maximum | 21.5 | Maximum | 26.0 | Maximum | 0.8 | ±0.05 |
| DW | D20 | 22.5 | ±0.4 | 13.5 | Maximum | 23.0 | Maximum | 26.0 | Maximum | 0.8 | ±0.05 |
| DY | D19 | 22.5 | ±0.4 | 15.5 | Maximum | 24.5 | Maximum | 26.0 | Maximum | 0.8 | ±0.05 |
| FE | F11 | 27.5 | ±0.4 | 10.5 | Maximum | 20.5 | Maximum | 31.5 | Maximum | 0.8 | ±0.05 |
| FK | F03 | 27.5 | ±0.4 | 13.5 | Maximum | 23.0 | Maximum | 31.5 | Maximum | 0.8 | ±0.05 |
| FM | F13 | 27.5 | ±0.4 | 14.5 | Maximum | 24.5 | Maximum | 31.5 | Maximum | 0.8 | ±0.05 |
| FR | F14 | 27.5 | ±0.4 | 17.5 | Maximum | 28.0 | Maximum | 31.5 | Maximum | 0.8 | ±0.05 |
| FV | F16 | 27.5 | ±0.4 | 21.0 | Maximum | 30.0 | Maximum | 31.5 | Maximum | 0.8 | ±0.05 |
| RF | R05 | 37.5 | ±0.5 | 13.0 | Maximum | 24.0 | Maximum | 41.0 | Maximum | 1.0 | ±0.05 |
| RH | R04 | 37.5 | ±0.5 | 15.0 | Maximum | 26.0 | Maximum | 41.0 | Maximum | 1.0 | ±0.05 |
| RM | R03 | 37.5 | ±0.5 | 19.0 | Maximum | 36.0 | Maximum | 41.0 | Maximum | 1.0 | ±0.05 |
| RP | R06 | 37.5 | ±0.5 | 21.0 | Maximum | 38.0 | Maximum | 41.0 | Maximum | 1.0 | ±0.05 |
| | Note: See the Ordering Options Table for lead length (LL) options. | | | | | | | | | | |



Performance Characteristics

| _, 1 | | | | | | | | |
|-----------------------------------|---|---|--------------------------------|---------------------------|--|--|--|--|
| Dielectric | Polypropylene film | | | | | | | |
| Plates | Metal layer deposited by evaporation under vacuum | | | | | | | |
| Winding | Non-inductive type. Series de | esign. | | | | | | |
| Leads | Tinned wire | | | | | | | |
| Protection | Plastic case, thermosetting res | in-filled. Box material is solve | nt-resistant and flame-retarda | nt according to UL94 V-0. | | | | |
| Rated Voltage V _R | 440 VAC 50/60 Hz (ENEC) - 4 | 480 VAC 50/60 Hz (UL,cUL) | | | | | | |
| Capacitance Range | 0.10 - 2.2 μF | | | | | | | |
| Capacitance Values | E6 series (IEC 60063) | | | | | | | |
| Capacitance Tolerance | ±20% standard, ±10% option | | | | | | | |
| Temperature Range | -40°C to 105°C | | | | | | | |
| Climatic Category | 40/105/56/B IEC 60068-1 | 40/105/56/B IEC 60068-1 | | | | | | |
| Approvals | ENEC, UL, cUL | | | | | | | |
| Related Documents | EN/IEC 60384-14:2005, UL 60 | EN/IEC 60384-14:2005, UL 60384-14, CAN/CSA E60384-14:09 | | | | | | |
| | Maximum Values at +23°C | | | | | | | |
| | Frequency | C ≤ 0.1 µF | 0.1 μF < C ≤ 1 μF | C > 1 µF | | | | |
| Dissipation Factor (tanδ) | 1 kHz | 0.1% | 0.1% | 0.1% | | | | |
| | 10 kHz | 0.2% | 0.4% | 0.8% | | | | |
| | 100 kHz | 0.6% | - | - | | | | |
| Test Voltage Between Terminals | The 100% screening factory te requirements in applicable equ repeat this test, as there is a ris been repeated. | ipment standards. All electri | ical characteristics are check | ed after the test. Do not | | | | |
| Resonance Frequency | Tabulated Self-resonance Fre | quencies f_o (see Table 1 – F | Ratings & Part Number Refer | rence) | | | | |
| | | Measured at +25°C ±5°C, ac | ccording to IEC 60384-2 | | | | | |
| In colories Desire | | Minimum Values Be | tween Terminals | | | | | |
| Insulation Resistance | C ≤ 0.33 | μF | C > 0.3 | 33 μF | | | | |
| | ≥ 30,000 | ΜΩ | ≥ 10,000 | MΩ • μF | | | | |
| In DC Applications | Recommended voltage ≤ 1,00 | 00 VDC | | | | | | |



Environmental Test Data

| Test | IEC Publication | Procedure | | | | |
|------------------------|-------------------------|---|--|--|--|--|
| Endurance | IEC 60384-14:2005 | $1.25 \times V_R$ VAC 50 Hz, once every hour increase to 1,000 VAC for 0.1 second, 1,000 hours at upper rated temperature | | | | |
| Vibration | IEC 60068-2-6 Test Fc | 3 directions at 2 hours each 10 – 55 Hz at 0.75 mm or 98 m/s ² No visible damage. No open or short circuit. | | | | |
| Bump | IEC 60068-2-29 Test Eb | 1,000 bumps at 390 m/s ² No visible damage. No open or short circuit. | | | | |
| Change of Temperature | IEC 60068-2-14 Test Na | Upper and lower rated temperature 5 cycles No visible damage. | | | | |
| Active Flammability | IEC 60384-14:2005 | V _R + 20 surge pulses at 4 kV (pulse every 5 seconds) | | | | |
| Passive Flammability | IEC 60384-14:2005 | IEC 60384-1, IEC 60695-11-5 Needle Flame Test | | | | |
| Damp Heat Steady State | IEC 60068-2-78 Test Cab | +40°C and 90 – 95% RH, 56 days | | | | |
| THB Test | According to Grade IA | +40°C and 90 - 95% RH, 21 days at rated AC-voltage Capacitance change ($\Delta C/C$): $\leq 10\%$ Dissipation factor change ($\Delta \tan \delta$): $\leq 24 * 10^{-3}$ (at 10 kHz) for C $\leq 1 \mu F$ Dissipation factor change ($\Delta \tan \delta$): $\leq 15 * 10^{-3}$ (at 1 kHz) for C > 1 μF Insulation resistance IR in seconds or time constant τ = CR Rins: $\geq 50\%$ of initial limit | | | | |

Approvals

| Certification Body | Mark | Specification | File Number |
|--------------------|----------------|---|-------------|
| Intertek Semko AB | | EN/IEC 60384-14 | SE/0140-1D |
| UL | c FL us | UL 60384 and CAN/CSA E60384-14:09 (480 VAC) | E73869 |

Environmental Compliance

All KEMET EMI capacitors are RoHS compliant.





Table 1 - Ratings & Part Number Reference

| Capacitance Value (µF) | olue (uE) (New/ Dimensions in mm Spacing (p) | | f _。 (MHz) | dV/dt (V/ | New KEMET Part Number | Legacy Part Number | | | |
|---------------------------|--|--------|-------------------------|--------------|-----------------------|-----------------------|-----------------|--------------------------|-----------------------|
| value (pr) | Legacy) | В | Н | ш | opaoing (p) | (11112) | μs) | T dit Hamber | Number |
| 0.10 | DH/D14 | 8.0 | 16.0 | 26.0 | 22.5 | 3.2 | 100 | F844DH104(1)440(2) | PHE844RD6100(1)(2) |
| 0.15 | DM/D15 | 9.0 | 18.5 | 26.0 | 22.5 | 2.6 | 100 | F844DM154(1)440(2) | PHE844RD6150(1)(2) |
| 0.22 | DT/D16 | 11.0 | 21.5 | 26.0 | 22.5 | 2.1 | 100 | F844DT224(1)440(2) | PHE844RD6220(1)(2) |
| 0.33 | DW/D20 | 13.5 | 23.0 | 26.0 | 22.5 | 1.8 | 100 | F844DW334(1)440(2) | PHE844RD6330(1)(2) |
| 0.47 | DY/D19 | 15.5 | 24.5 | 26.0 | 22.5 | 1.5 | 100 | F844DY474(1)440(2) | PHE844RD6470(1)(2) |
| 0.22 | FE/F11 | 10.5 | 20.5 | 31.5 | 27.5 | 2.2 | 100 | F844FE224(1)440(2) | PHE844RF6220(1)(2) |
| 0.33 | FK/F03 | 13.5 | 23.0 | 31.5 | 27.5 | 1.7 | 100 | F844FK334(1)440(2) | PHE844RF6330(1)(2) |
| 0.47 | FM/F13 | 14.5 | 24.5 | 31.5 | 27.5 | 1.4 | 100 | F844FM474(1)440(2) | PHE844RF6470(1)(2) |
| 0.68 | FR/F14 | 17.5 | 28.0 | 31.5 | 27.5 | 1.1 | 100 | F844FR684(1)440(2) | PHE844RF6680(1)(2) |
| 1.0 | FV/F16 | 21.0 | 30.0 | 31.5 | 27.5 | 1.0 | 100 | F844FV105(1)440(2) | PHE844RF7100(1)(2) |
| 0.47 | RF/R05 | 13.0 | 24.0 | 41.0 | 37.5 | 1.3 | 100 | F844RF474(1)440(2) | PHE844RR6470(1)(2) |
| 0.68 | RF/R05 | 13.0 | 24.0 | 41.0 | 37.5 | 1.1 | 100 | F844RF684(1)440(2) | PHE844RR6680(1)(2) |
| 1.0 | RH/R04 | 15.0 | 26.0 | 41.0 | 37.5 | 0.92 | 100 | F844RH105(1)440(2) | PHE844RR7100(1)(2) |
| 1.5 | RM/R03 | 19.0 | 36.0 | 41.0 | 37.5 | 0.74 | 100 | F844RM155(1)440(2) | PHE844RR7150(1)(2) |
| 2.2 | RP/R06 | 21.0 | 38.0 | 41.0 | 37.5 | 0.60 | 100 | F844RP225(1)440(2) | PHE844RR7220(1)(2) |
| Capacitance Value (µF) | Size Code (New/ Legacy) | B (mm) | H (mm) | L (mm) | Lead Spacing (p) | f _o (MHz) | dV/dt (V/μs) | New KEMET Part Number | Legacy Part Number |

⁽¹⁾ $M = \pm 20\%$, $K = \pm 10\%$.

⁽²⁾ Insert ordering code for lead type and packaging. See Ordering Options Table for available options.



Soldering Process

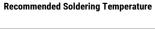
The implementation of the RoHS directive has resulted in the selection of SnAuCu (SAC) alloys or SnCu alloys as primary solder. This implementation has increased the liquidus temperature from 183°C for SnPb eutectic alloys to 217 – 221°C for the new alloys. As a result, the heat stress to the components, even in wave soldering, has increased considerably due to higher pre-heat and wave temperatures. Polypropylene capacitors are especially sensitive to heat (the melting point of polypropylene is 160 – 170°C). Wave soldering can be destructive, especially for mechanically small polypropylene capacitors (with lead spacing of 5 – 15 mm), and great care must be taken during soldering. The recommended solder profiles from KEMET should be used. Consult KEMET with any questions. In general, the wave soldering curve from IEC Publication 61760-1 Edition 2 serves as a solid guideline for successful soldering. See Figure 1.

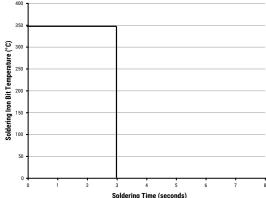
Reflow soldering is not recommended for through-hole film capacitors. Exposing capacitors to a soldering profile in excess of the recommended limits may result in degradation of or permanent damage to the capacitors.

Do not place the polypropylene capacitor through an adhesive curing oven to cure resin for surface-mount components. Insert through-hole parts after curing the surface mount parts. Consult KEMET to discuss the actual temperature profile in the oven, if through-hole components must pass through the adhesive curing process. A maximum of two soldering cycles is recommended. Allow time for the capacitor surface temperature to return to normal before the second soldering cycle.

Manual Soldering Recommendations

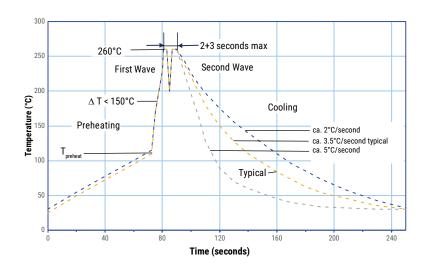
Following is the recommendation for manual soldering with a soldering iron.





Soldering iron tip temperature should be set at 350°C (+10°C maximum), with the soldering duration not to exceed 3 seconds.

Wave Soldering Recommendations





Soldering Process cont.

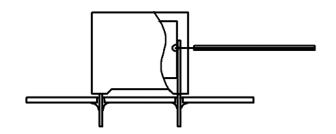
Wave Soldering Recommendations cont.

1. The table indicates the maximum set-up temperature of the soldering process. Figure 1

| Dielectric film material | <u> </u> | n Preheat erature | Maximum Peak Soldering Temperature | | | |
|--------------------------------|----------------------------|----------------------------|---------------------------------------|----------------------------|--|--|
| | Capacitor Pitch ≥ 10 mm | Capacitor Pitch > 15 mm | Capacitor Pitch ≤ 15 mm | Capacitor Pitch > 15 mm | | |
| Polyester | 130°C | 130°C | 270°C | 270°C | | |
| Polypropylene | 110°C | 130°C | 260°C | 270°C | | |
| Paper | 130°C | 140°C | 270°C | 270°C | | |
| Polyphenylene Sulphide | 150°C | 160°C | 270°C | 270°C | | |

2. The maximum temperature measured inside the capacitor: set the temperature so that the maximum temperature is below the limit inside the element.

| Dielectric Film Material | Maximum Temperature Measured Inside the Element |
|--------------------------|--|
| Polyester | 160°C |
| Polypropylene | 110°C |
| Paper | 160°C |
| Polyphenylene Sulphide | 160°C |



Temperature monitored inside the capacitor.

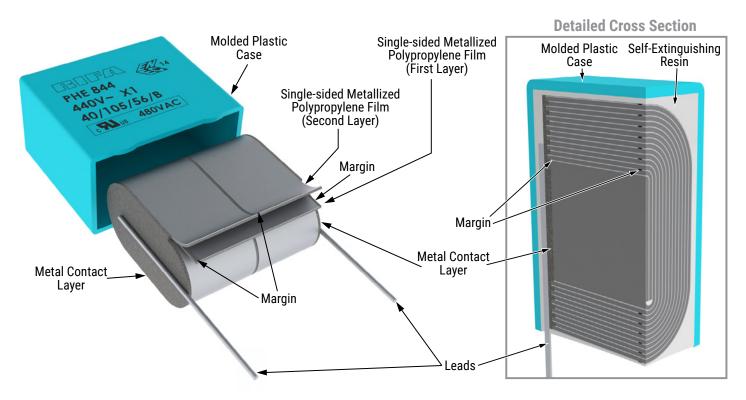
Selective Soldering Recommendations

Selective dip soldering is a variation of reflow soldering. In this method, the printed circuit board with through-hole components to be soldered is preheated and transported over the solder bath, as in normal flow soldering, without touching the solder. When the board is over the bath, it is stopped. Pre-designed solder pots are lifted from the bath with molten solder only at the places of the selected components, and then pressed against the lower surface of the board to solder the components.

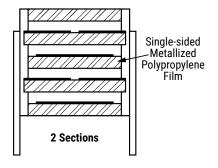
The temperature profile for selective soldering is similar to the double-wave flow soldering outlined in this document. **However, instead of two baths, there is only one with a time from 3 to 10 seconds.** In selective soldering, the risk of overheating is greater than in double-wave flow soldering. Great care must be taken so that the parts do not overheat.



Construction

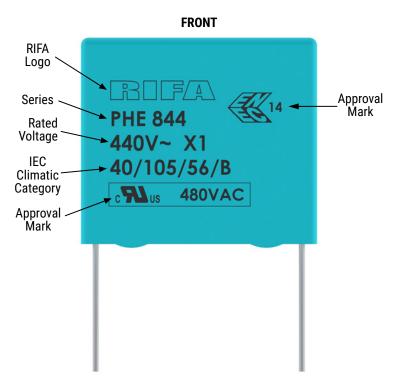


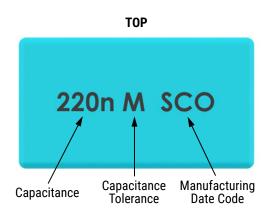
Winding Scheme





Marking





| Mar | nufacturing Date | e Code (IEC-60) | 062) |
|------|------------------|-----------------|------|
| Year | Code | Month | Code |
| 2010 | Α | January | 1 |
| 2011 | В | February | 2 |
| 2012 | С | March | 3 |
| 2013 | D | April | 4 |
| 2014 | Е | May | 5 |
| 2015 | F | June | 6 |
| 2016 | Н | July | 7 |
| 2017 | J | August | 8 |
| 2018 | К | September | 9 |
| 2019 | L | October | 0 |
| 2020 | М | November | N |
| 2021 | N | December | D |
| 2022 | Р | | |
| 2023 | R | | |
| 2024 | S | | |
| 2025 | Т | | |
| 2026 | U | | |
| 2027 | V | | |
| 2028 | W | | |
| 2029 | Х | | |
| 2030 | A | | |



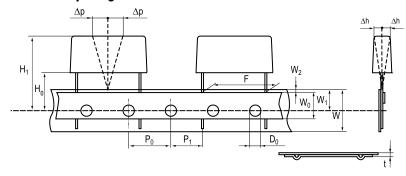
Packaging Quantities

| Lead Spacing | KEMET Size Code | Legacy Size Code | Thickness (mm) | Height (mm) | Length (mm) | Bulk Short Leads | Standard Reel ø 355 mm | Large Reel ø 500 mm | Ammo Bulk (Pizza) |
|-----------------|--------------------|---------------------|----------------|----------------|----------------|------------------------|------------------------------|---------------------------|-------------------------|
| | DD | D13 | 6.5 | 14.5 | 26.0 | 234 | 300 | 600 | 440 |
| | DH | D14 | 8.0 | 16.0 | 26.0 | 186 | 250 | 500 | 352 |
| | DM | D15 | 9.0 | 18.5 | 26.0 | 308 | 250 | 500 | 308 |
| 22 E | DT | D16 | 11.0 | 21.5 | 26.0 | 253 | 200 | 400 | 253 |
| 22.5 | DF | D17 | 7.0 | 16.5 | 26.0 | 216 | 300 | 600 | 396 |
| | DR | D18 | 10.5 | 19.0 | 26.0 | 264 | 200 | 400 | 264 |
| | DY | D19 | 15.5 | 24.5 | 26.0 | 176 | 110 | 250 | 176 |
| | DW | D20 | 13.5 | 23.0 | 26.0 | 209 | 160 | 300 | 209 |
| | l FK | F03 | 13.5 | 23.0 | 31.5 | 171 | | 250 | 171 |
| | FE | F11 | 10.5 | 20.5 | 31.5 | 216 | | 350 | 216 |
| | FG | F12 | 11.5 | 22.5 | 31.5 | 198 | | 300 | 198 |
| | FM | F13 | 14.5 | 24.5 | 31.5 | 153 | | 250 | 153 |
| 07.5 | FR | F14 | 17.5 | 28.0 | 31.5 | 126 | | | 126 |
| 27.5 | FS | F15 | 19.0 | 29.0 | 31.5 | 117 | | | 117 |
| | FV | F16 | 21.0 | 30.0 | 31.5 | 108 | | | 108 |
| | FH | F17 | 21.0 | 12.5 | 31.5 | 108 | | | 108 |
| | FT | F18 | 31.0 | 18.5 | 31.5 | 72 | | | 72 |
| | FQ | F19 | 27.5 | 16.0 | 31.5 | 81 | | | 81 |
| | l DV | DOO | 16 F | 22.0 | 41.0 | 105 | | | 105 |
| | RK | R02 | 16.5 | 32.0 | 41.0 | 105 | | | 105 |
| | RM | R03 | 19.0 | 36.0 | 41.0 | 91 | | | 91 |
| 37.5 | RH | R04 | 15.0 | 26.0 | 41.0 | 119 | | | 119 |
| | RF | R05 | 13.0 | 24.0 | 41.0 | 140 | | | 140 |
| | RP | R06 | 21.0 | 38.0 | 41.0 | 84 | | | 84 |
| | RS | R08 | 28.0 | 43.0 | 41.0 | 54 | | | 54 |



Lead Taping & Packaging (IEC 60286-2)

Lead Spacing 22.5 - 27.5 mm



Taping Specification

| Description | Symbol | Dimensions (mm) | | |
|---|--------------------|-----------------|------|------------|
| | | Lead Space | | Tolerance |
| | | 22.5 | 27.5 | Tolerance |
| Lead Spacing | F | 22.5 | 27.5 | +0.6/-0.1 |
| Carrier Tape Width | W | 18 | 18 | +1/-0.5 |
| Hold Down Tape Width | W _o | 5 | 5 | Minimum |
| Hole Position | W ₁ | 9 | 9 | +0.75/-0.5 |
| Hold Down Tape Position | W ₂ | 3 | 3 | Maximum |
| Feed Hole Diameter | D ₀ | 4 | 4 | ±0.2 |
| Feed-hole Lead Space * | P ₀ | 12.7 | 12.7 | ±0.2 ** |
| Centering of the Lead Wire | P ₁ | 7.8 | 5.3 | ±0.7 |
| Component Alignment | Δh | 2 | 2 | ±2 |
| Deviation Tape - Plane | Δр | 1.3 | 1.3 | Maximum |
| Tape Thickness | t | 0.9 | 0.9 | Maximum |
| Height of Component from Tape Center | H ₀ *** | 18.5 | 18.5 | ±0.5 |

^{*}Available also 15mm

^{**}Maximum 1 mm on 20 lead spaces

^{***} H_0 = 16.5 mm is available upon request



KEMET Electronics Corporation Sales Offices

For a complete list of our global sales offices, please visit www.kemet.com/sales.

Disclaimer

All product specifications, statements, information and data (collectively, the "Information") in this datasheet are subject to change. The customer is responsible for checking and verifying the extent to which the Information contained in this publication is applicable to an order at the time the order is placed. All Information given herein is believed to be accurate and reliable, but it is presented without guarantee, warranty, or responsibility of any kind, expressed or implied.

Statements of suitability for certain applications are based on KEMET Electronics Corporation's ("KEMET") knowledge of typical operating conditions for such applications, but are not intended to constitute – and KEMET specifically disclaims – any warranty concerning suitability for a specific customer application or use. The Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by KEMET with reference to the use of KEMET's products is given gratis, and KEMET assumes no obligation or liability for the advice given or results obtained.

Although KEMET designs and manufactures its products to the most stringent quality and safety standards, given the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies) in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage.

Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicted or that other measures may not be required.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Safety Capacitors category:

Click to view products by Kemet manufacturer:

Other Similar products are found below:

R49AN347000A1K 46KI3470DQM1K MKPY2-.02230020P15 46KI333050M1K 46KN333000M1M 46KN347000M1M

B32922D3334K189 B32924C3824K189 46KI3100DQM1M HUB2200-S 04068 HUB820-P BFC2 33910103 YV101103Z060HAND5P

46KN3330JBM1K 413N32200000M 463I333000M1K 46KF2470JBN0M 46KF268000M1M 46KF310000M1M 46KI22205001M

46KI24705201K 46KI2470CK01M 46KI2470ND01K 46KI2680JH01M 46KI315000M2K 46KI315000M2M 46KI3150CKM2K

46KI3150CKM2M 46KI3150NDM2M 46KI3220CKP0M 46KI3220JLM1M 46KN3150JH01K 46KN34705001K 46KN347050N0K

46KN3470JHP0M 46KN410040H1M 46KW510050M1K 474I24700003K PHE840MD6220MD13R30 PHE840MY6470MD14R06

PHE845VD5470MR06 YV500103Z060B20X5P MKPX2R-1/400/10P27 YP102271K050B20C6P YP102391K050BAND5P

YP501101K040BAND5P YP102681K060B20C6P YP501121K040B20C6P YP501471K040B20C6P