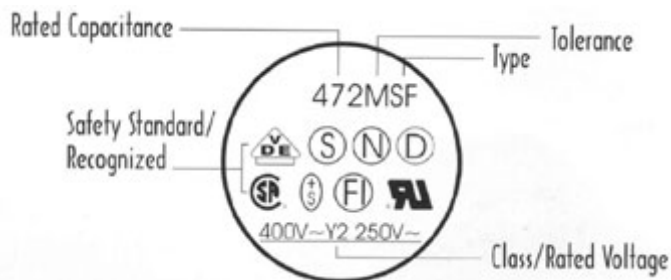


APPLICATIONS:

For use in circuit where alternating, pulsating, intermittent and steady voltages exit.

| | | | |
|--|---|---|----------------------|
| Operating Temp. Range | -30°C to 85°C | | |
| Rated Voltage | Applicable Standards | | Rated Voltage |
| | CSA, UL | | 125VAC |
| | CSA, UL, SEMKO, SEV, FIMKO, NEMKO, DEMKO, VDE(0565-1) | | 250VAC |
| Dielectric Withstanding Voltage | Rated Voltage | | Test Voltage |
| | 125VAC, 250VAC, 400VAC | | 2500VAC for 1 minute |
| Dissipation Factor (DF) | Y5P, Y5U | tan δ ≤ 2.5%, measured at 1KHz ± 10%, 1.0~5.0Vrms, 25°C | |
| | Y5V | tan δ ≤ 5.0%, measured at 1KHz ± 10%, 1.0~5.0Vrms, 25°C | |
| Capacitance (C) | Range | 100pF to 10000pF, measured at 1KHz ± 10%, 1.0~5.0Vrms, 25°C | |
| | Tolerance | K | ± 10% Y5P |
| | | M | ± 20% Y5P, Y5U |
| Z | | +80%, -20% Y5V | |
| Insulation Resistance (IR) | 10000M Ω min, measured at 500VDC | | |
| Temperature Characteristics | Char. | Cap. Change | Temp. Range |
| | Y5P | ± 10%, max. | -30°C to 85°C |
| | Y5U | +22%, -56%, max. | -30°C to 85°C |
| | Y5V | +22%, -82%, max. | -30°C to 85°C |
| The reference temperature: 25°C | | | |

MARKING:



DIMENSIONS (mm):

| TYPE | PART NUMBER | TEMP. CHAR. | CAP. VALUE (pF) | MAX DIAMETER | MAX THICKNESS | LEAD SPACING |
|---------------|---------------|-------------|-----------------|--------------|---------------|--------------|
| Y5P | Y5P101K252A67 | Y5P | 100 | 7.0 | 6.5 | 6.35(7.5) |
| | Y5P151K252A67 | Y5P | 150 | 7.0 | 6.5 | 6.35(7.5) |
| | Y5P221K252A67 | Y5P | 220 | 7.0 | 6.5 | 6.35(7.5) |
| | Y5P271K252A67 | Y5P | 270 | 7.0 | 6.5 | 6.35(7.5) |
| | Y5P331K252A67 | Y5P | 330 | 9.0 | 6.5 | 6.35(7.5) |
| | Y5P391K252A67 | Y5P | 390 | 9.0 | 6.5 | 6.35(7.5) |
| | Y5P471K252A67 | Y5P | 470 | 9.0 | 6.5 | 6.35(7.5) |
| | Y5P561K252A67 | Y5P | 560 | 10.0 | 7.5 | 6.35(7.5) |
| | Y5P681K252A67 | Y5P | 680 | 10.0 | 7.5 | 6.35(7.5) |
| | Y5P821K252A67 | Y5P | 820 | 12.0 | 7.5 | 6.35(7.5) |
| | Y5P102K252A67 | Y5P | 1000 | 12.0 | 7.5 | 6.35(7.5) |
| | Y5P152K252A97 | Y5P | 1500 | 14.0 | 7.5 | 9.5(10) |
| Y5P222K252A97 | Y5P | 2200 | 15.0 | 7.5 | 9.5(10) | |
| Y5U | Y5U102K252A67 | Y5U | 1000 | 9.0 | 6.5 | 6.35(7.5) |
| | Y5U152K252A67 | Y5U | 1500 | 10.0 | 6.5 | 6.35(7.5) |
| | Y5U222K252A67 | Y5U | 2200 | 12.0 | 6.5 | 6.35(7.5) |
| | Y5U332K252A97 | Y5U | 3300 | 14.0 | 7.5 | 9.5(10) |
| | Y5U472K252A97 | Y5U | 4700 | 16.0 | 7.5 | 9.5(10) |

| | | | | | | |
|-----|---------------|-----|-------|------|-----|-----------|
| Y5V | Y5V102K252A67 | Y5V | 1000 | 8.0 | 6.5 | 6.35(7.5) |
| | Y5V152K252A67 | Y5V | 1500 | 9.0 | 6.5 | 6.35(7.5) |
| | Y5V222K252A67 | Y5V | 2200 | 10.0 | 6.5 | 6.35(7.5) |
| | Y5V332K252A97 | Y5V | 3300 | 13.0 | 7.5 | 9.5(10) |
| | Y5V472K252A97 | Y5V | 4700 | 13.0 | 7.5 | 9.5(10) |
| | Y5V682K252A97 | Y5V | 6800 | 15.0 | 7.5 | 9.5(10) |
| | Y5V822K252A97 | Y5V | 8200 | 17.0 | 7.5 | 9.5(10) |
| | Y5V103K252A97 | Y5V | 10000 | 17.0 | 7.5 | 9.5(10) |

Please contact us for special case or items not listed.