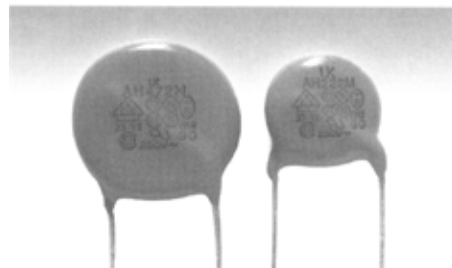


Introduction :

These Safety Recognized Ceramic Capacitors are specifically designed for AC applications and meet the safety requirements of various safety standard agencies. They are ideal for across the line and line by-pass applications.

Features :

- Compact size
- Cost effective products
- Ideal for across the line applications
- Safety Standard Recognized for AC applications
- Coated with flame-retardant epoxy resin
(equivalent to UL94V-0 standards)
- RoHS Compliance
- Halogen free products are available



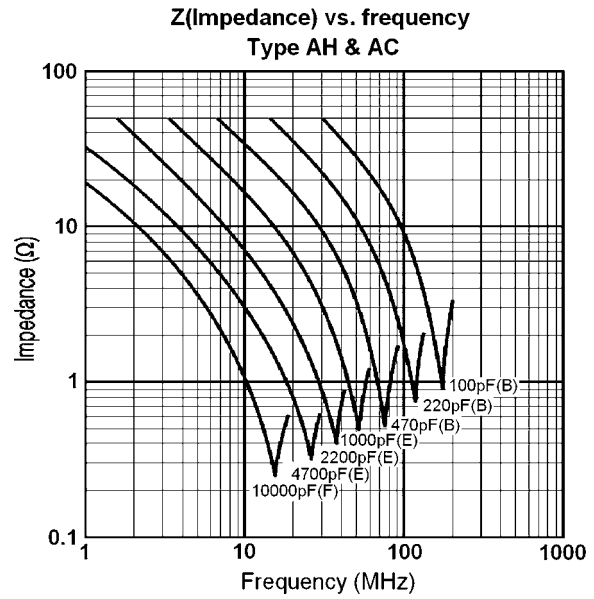
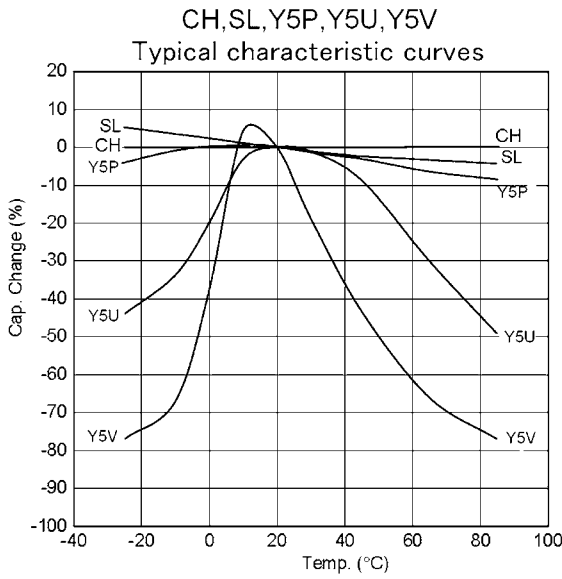
Approval standards :

| Agencies | UL | CSA | CQC | KTL | VDE, SEMKO, NEMKO, DEMKO, FIMKO, SEV, KEMA |
|-----------------------|--|---------------|-----------------|-----------|--|
| Standard No. | UL60384-14: 2009 | E60384-14: 09 | GB/T 14472-1998 | K60384-14 | IEC384-14 3rd Edition (2005) |
| Rated Voltage | 0AC = AC(X1-400V~/Y2-250V~) 1AC = AC(X1-440V~/Y2-300V~)(only for VDE/CB/ENEC) 0AH = AH(X1-400V~/Y1-250V~) 1AH = AH(X1-400V~/Y1-400V~) | | | | |
| Capacitance Value(pF) | AH: 2 ~ 4700 AC: 2 ~10000 | | | | |

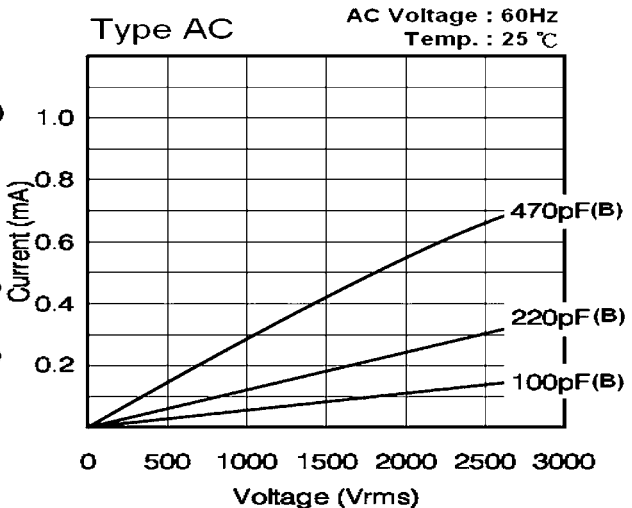
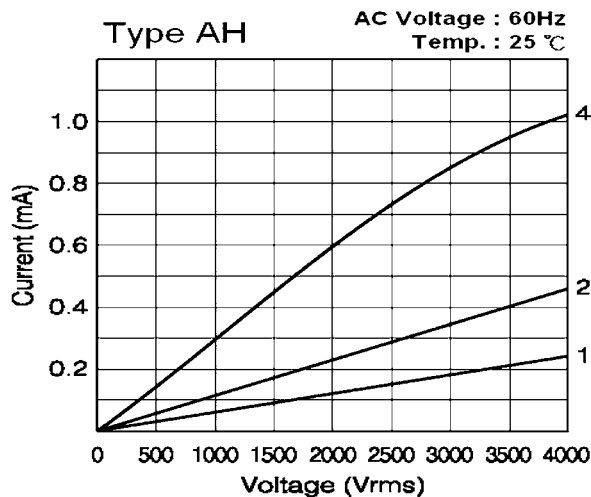
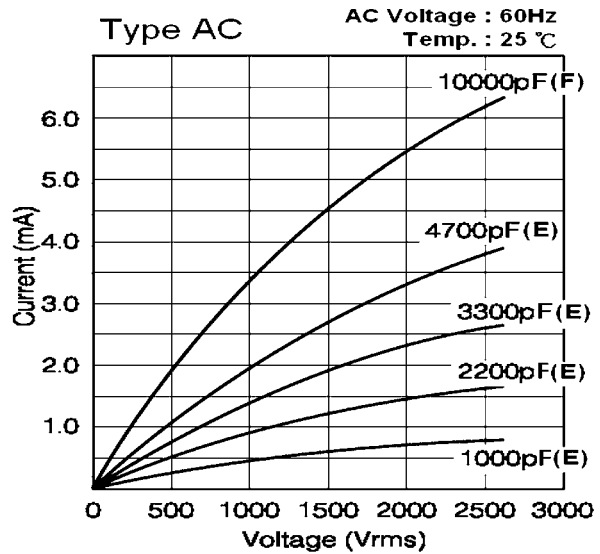
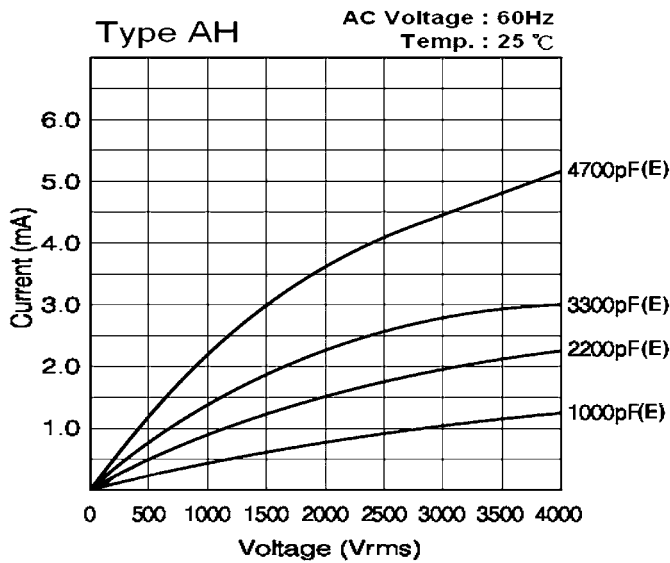
General specification :

| | |
|----------------------------------|---|
| Capacitance Range | AH:2pF to 4700pF; AC:2pF to 10000pF |
| Capacitance Tolerance | ±0.25pF, ±0. 5pF, ±5%, ±10%, ±20% |
| Operating Temperature Range | -25°C~ +125°C |
| Temperature Coefficient (ΔC Max) | ±60ppm/°C(CH), -1000~+350ppm/°C(SL), ±10% (Y5P), +30~80% (Y5V), +20~55% (Y5U) |
| Voltage Resistance | AH Type: X1:400Vac / Y1:400Vac or 250Vac ; AC Type: X1:400Vac or 440Vac / Y2:250VAC or 300Vac |
| Dissipation Factor(tanδ) or Q | CH&SL: 30pF&above:Q≥ 1000 Below 30pF:Q≥400+20×C @20°C, 1MHz, 1±0.2Vrms Y5P: tanδ=2.5% Max. @20°C, 1KHz, 1±0.2Vrms Y5U: tanδ=2.5% Max. @20°C, 1KHz, 1±0.2Vrms Y5V: tanδ=5.0% Max. @20°C, 1KHz, 1±0.2Vrms |
| Insulation Resistance | 10000MΩ at 500VDC for 60 Seconds |
| Dielectric Strength | 1500VAC for 60 Seconds (AC TYPE) (For Lead Pitch=5.0mm) |
| | 2600VAC for 60 Seconds (AC TYPE) (For Lead Pitch=7.5 & 10 mm) |
| | 4000VAC for 60 Seconds (AH TYPE) (For Lead Pitch=10.0mm) |

Typical characteristic curves & Z(Impedance) vs. frequency :

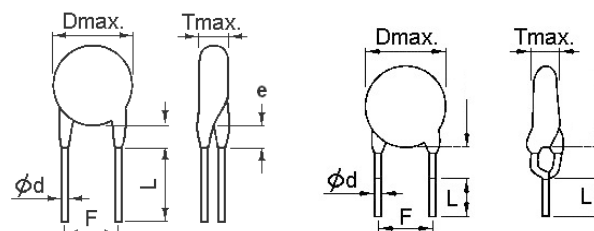


Current vs. Voltage (Leakage Current Characteristics)



AH Type-Class X1/Y1


| Part Number | Temp. Char. | Cap.(pF) | Tol. | Dimension (mm) | | | |
|----------------|-------------|-----------------------------------|---------|----------------|--------|------|-------------------|
| | | | | D Max. | T Max. | F±1 | Wire Dia. (Ød) |
| YP *AH101K060 | Y5P | 100 | ±10% | 7.0 | 5.0 | 10.0 | 0.60 +0.1-0.05 |
| YP *AH151K060 | | 150 | | 7.0 | | | |
| YP *AH221K060 | | 220 | | 7.0 | | | |
| YP *AH331K060 | | 330 | | 7.0 | | | |
| YP *AH471K070 | | 470 | | 8.0 | | | |
| YP *AH561K080 | | 560 | | 9.0 | | | |
| YP *AH681K080 | | 680 | | 9.0 | | | |
| YP *AH102K100 | | 1000 | | 11.0 | | | |
| YU *AH102M070 | Y5U | 1000 | ±20% | 8.0 | 5.0 | 10.0 | 0.60 +0.1-0.05 |
| YU *AH152M080 | | 1500 | | 9.0 | | | |
| YU *AH222M090 | | 2200 | | 10.0 | | | |
| YU *AH332M110 | | 3300 | | 12.0 | | | |
| YU *AH392M120 | | 3900 | | 14.0 | | | |
| YU *AH472M130 | | 4700 | | 14.0 | | | |
| YV *AH102M060 | Y5V | 1000 | ±20% | 7.0 | 5.5 | 10.0 | 0.60 +0.1-0.05 |
| YV *AH152M070 | | 1500 | | 8.0 | | | |
| YV *AH222M080 | | 2200 | | 9.0 | | | |
| YV *AH332M100 | | 3300 | | 11.0 | | | |
| YV *AH472M110 | | 4700 | | 12.0 | | | |
| CH *AH***C060 | CH (NPO) | 2,3,4,5 | ±0.25pF | 7.0 | 5.0 | 10.0 | 0.60 +0.1-0.05 |
| CH *AH***D060 | | 6,7,8,9,10 | ±0.5pF | 7.0 | | | |
| CH *AH120J060 | | 12 | ±5% | 7.0 | | | |
| CH *AH ***J070 | | 15,18,20,22,24,27 | | 8.0 | | | |
| SL *AH ***J060 | SL | 15,18,20,22,24, 27,30,33,36,39 | ±5% | 7.0 | 5.0 | 10.0 | 0.60 +0.1-0.05 |
| SL *AH ***J070 | | 47,50,51,56,62 | | 8.0 | | | |
| SL *AH ***J080 | | 68,75,82 | | 9.0 | | | |
| SL *AH101J090 | | 100 | | 10.0 | | | |



SAFETY STANDARD CERAMIC CAPACITOR Detail Specification

AC Type-Class X1/Y2

| Part Number | Temp. Char. | Cap.(pF) | Tol. | Dimension (mm) | | | |
|-----------------|-------------|---|---------|----------------|--------|--------------|-------------------|
| | | | | D max. | T max. | F±1 | Wire Dia. (Ød) |
| YP *AC101K060 | Y5P | 100 | ±10% | 7.0 | 5.0 | 7.5, 10.0 | 0.60 +0.1-0.05 |
| YP *AC151K060 | | 150 | | 7.0 | | | |
| YP *AC221K060 | | 220 | | 7.0 | | | |
| YP *AC331K060 | | 330 | | 7.0 | | | |
| YP *AC471K060 | | 470 | | 7.0 | | | |
| YP *AC561K070 | | 560 | | 8.0 | | | |
| YP *AC681K070 | | 680 | | 8.0 | | | |
| YP *AC821K080 | | 820 | | 9.0 | | | |
| YP *AC102K080 | | 1000 | | 9.0 | | | |
| YU *AC102M060 | | Y5U | | 1000 | | | |
| YU *AC152M080 | 1500 | | 9.0 | | | | |
| YU *AC222M080 | 2200 | | 9.0 | | | | |
| YU *AC332M100 | 3300 | | 11.0 | | | | |
| YU *AC392M120 | 3900 | | 13.0 | | | | |
| YU *AC472M120 | 4700 | | 13.0 | | | | |
| YV *AC102M060 | Y5V | 1000 | ±20% | 7.0 | 5.0 | 7.5, 10.0 | 0.60 +0.1-0.05 |
| YV *AC152M060 | | 1500 | | 7.0 | | | |
| YV *AC222M060 | | 2200 | | 7.0 | | | |
| YV *AC332M080 | | 3300 | | 9.0 | | | |
| YV *AC392M100 | | 3900 | | 11.0 | | | |
| YV *AC472M100 | | 4700 | | 11.0 | | | |
| YV *AC682M120 | | 6800 | | 13.0 | | | |
| YV *AC103M140 | | 10000 | | 15.0 | | | |
| CH *AC *** C060 | CH (NPO) | 2,3,4,5 | ±0.25pF | 7.0 | 5.0 | 7.5, 10.0 | 0.60 +0.1-0.05 |
| CH *AC *** D060 | | 6,7,8,9,10 | ±0.5pF | 7.0 | | | |
| CH *AC *** J060 | | 12,15 | ±5% | 7.0 | | | |
| CH *AC *** J070 | | 18,20,22,24 | | 8.0 | | | |
| CH *AC *** J080 | | 27,30,33 | | 9.0 | | | |
| CH *AC *** J090 | | 36,39 | | 10.0 | | | |
| CH *AC470J100 | | 47 | | 11.0 | | | |
| SL *AC *** J060 | SL | 10,12,15,18,20,22, ,24,27,30,33,36, 39,47,50,51 | ±5% | 7.0 | 5.0 | 7.5, 10.0 | 0.60 +0.1-0.05 |
| SL *AC *** J070 | | 52,62,68,75 | | 8.0 | | | |
| SL *AC820J080 | | 82 | | 9.0 | | | |
| SL *AC101J090 | | 100 | | 10.0 | | | |

 = **Lead Code** : Please consult our part number explanation on page 20 for detail lead space, lead length, and lead configuration.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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