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|  | DATASHEET | Part No. |
| | Multi-layer ceramic capacitor | ACU06E2CN471KNLA |

CUSTOMER :

DATA SHEET

| | |
|----------------------|--|
| Product name | : Multi-layer ceramic capacitor |
| Part number | : ACU06E2CN471KNLA |
| Features | : 1206inch / 3216mm, 470pF, ±10%, U2J, DC 2kV |
| Revision date | : 2020/10/12 |

| | |
|---|---|
|  | Address : 380, NAMDONGSEO-RO, NAMDONG-GU INCHEON, 21629 KOREA (AMOTECH. CO., LTD) |
| | Contact : TEL) 82-32-821-0363, FAX) 82-32-811-0283 |

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|  | DATASHEET | Part No. |
| | Multi-layer ceramic capacitor | ACU06E2CN471KNLA |

1. Part descriptions :

1.1 Feature :

- 1206inch / 3216mm size
- Safety design handing HV impulse
- Approved for mains AC voltages up to 250VAC
- Meet class Y2/X1, X1 and X2 requirements
- RoHS compliance, Halogen free
- AEC-Q200 compliant

1.2. Applications :

- EV/HEV powertrain
- Home appliance Power system

1.3. Circuit Applications :

- Decoupling
- Power conversion
- Transient voltage suppression

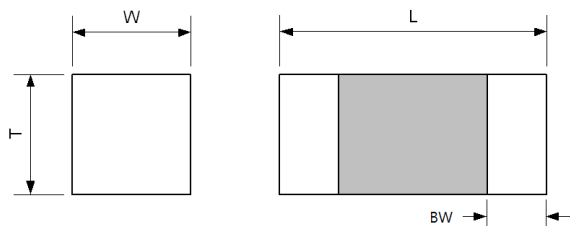
2. Specifications

2.1 Electrical characteristics

| | |
|--|--------------------------|
| Part number | ACU06E2CN471KNLA (Auto.) |
| Material | U2J |
| Rated voltage(Vdc) [V] | 2000 |
| Capacitance[pF] @1MHz, 1Vrms | 470 (±10%) |
| Dissipation factor @1MHz, 1Vrms | 0.1% |
| Insulation resistance[Ω*F] @Vdc | 10 GΩ |
| Operating temperature[°C] | -55 ~ +125 |

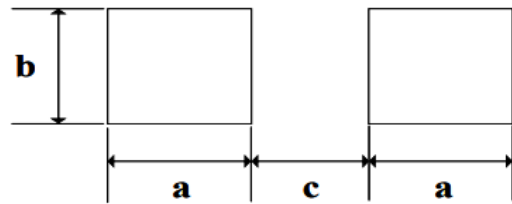
2.2 Mechanical dimension and solder pad

■ Mechanical dimension



| | L | W | T | BW |
|------|------|------|------|------|
| Size | 3.2 | 1.6 | 1.25 | 0.5 |
| (mm) | ±0.2 | ±0.2 | ±0.1 | ±0.2 |

■ Recommended solder pad



| | a | b | c |
|------|------|------|------|
| Size | 1.1 | 1.8 | 2.0 |
| (mm) | ±0.1 | ±0.1 | ±0.1 |

※ Note: Please contact local sales if you want to order low profile products or some special products are excluded from this data sheet.

2.3. Typical performance data

