

# アキシャルリード形セラミックコンデンサ

## AXIAL LEADED CERAMIC CAPACITORS

OPERATING TEMP. -25~+85°C



フロー/WAVE

### 特長 FEATURES

- 汎用型セラミックコンデンサで、単層形と積層形合わせて1pF~10μFと広い容量範囲で部品の標準化が可能
- ラジアルに比べ自挿コストが安く、部品高さ低減、実装密度アップ、在庫スペースも減少
- 実装ピッチ5mmから26mmまでジャンパー線機能と兼用可能

- This widely used ceramic capacitor includes both monolithic and multi-layer types to provide a wide capacitance range of 1pF through 10μF in one standard size and shape.
- Automatic insertion related costs are lower than with radial type capacitors.
- Mounting pitch can be between 5mm to 26mm which could be used as a jumper.

### 用途 APPLICATIONS

- Class1品は回路の温度特性補正及び周波数特性の安定化。B、F特はバイパスコンデンサに最適

- The class 1 temperature compensating (NPO) products can be used in circuits to stabilize frequency and temperature characteristics.
- The B, and F dielectrics are optimum for bypass capacitors.

### 形名表記法 ORDERING CODE

|                                      |                                                                                                                                                               |                                                                                               |                                                                     |                  |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------|
| <b>1</b><br>定格電圧 [VDC]               | <b>3</b><br>形状寸法 (L×φd) [mm]                                                                                                                                  | <b>5</b><br>公称静電容量 [pF]                                                                       | <b>6</b><br>容量許容差                                                   | <b>8</b><br>梱包   |
| L 10<br>E 16<br>T 25<br>G 35<br>U 50 | 075 4.2×3.2 (積層形)<br>050 3.5×1.9 (単層形)<br>3.2×2.2 (積層形)<br>025 2.3×2.0 (積層形)<br>015 3.0×2.5 (積層形)                                                             | 例 ※R=小数点<br>010 1<br>1R2 1.2<br>103 10000                                                     | D- ±0.5pF<br>J- ±5%<br>K- ±10%<br>M- ±20%<br>Z- ± $\frac{80}{20}$ % | B つづら折り<br>C 袋づめ |
| <b>2</b><br>形式                       | <b>4</b><br>温度特性                                                                                                                                              | <b>7</b><br>リード形状 [mm]                                                                        | <b>9</b><br>当社管理記号                                                  |                  |
| P アキシャルリードコンデンサ                      | CK 0±250 (ppm/°C)<br>CH 0±60 (ppm/°C)<br>RH -220±60 (ppm/°C)<br>UJ -750±120 (ppm/°C)<br>SL +350~-1000 (ppm/°C)<br>△B ±10%<br>△F ± $\frac{30}{85}$ %<br>△=スペース | A- 26mmテーパー幅テーピング<br>B- 52mmテーパー幅テーピング<br>KF 5.0ピッチフォーミング<br>KE 7.5ピッチフォーミング<br>NA 単品ストレートリード | △△ 単層標準品<br>△Z 積層標準品<br>△J 積層品 (低電圧タイプ)<br>△=スペース                   |                  |

U P 0 5 0 C H 1 0 0 J - A - B ○ ○

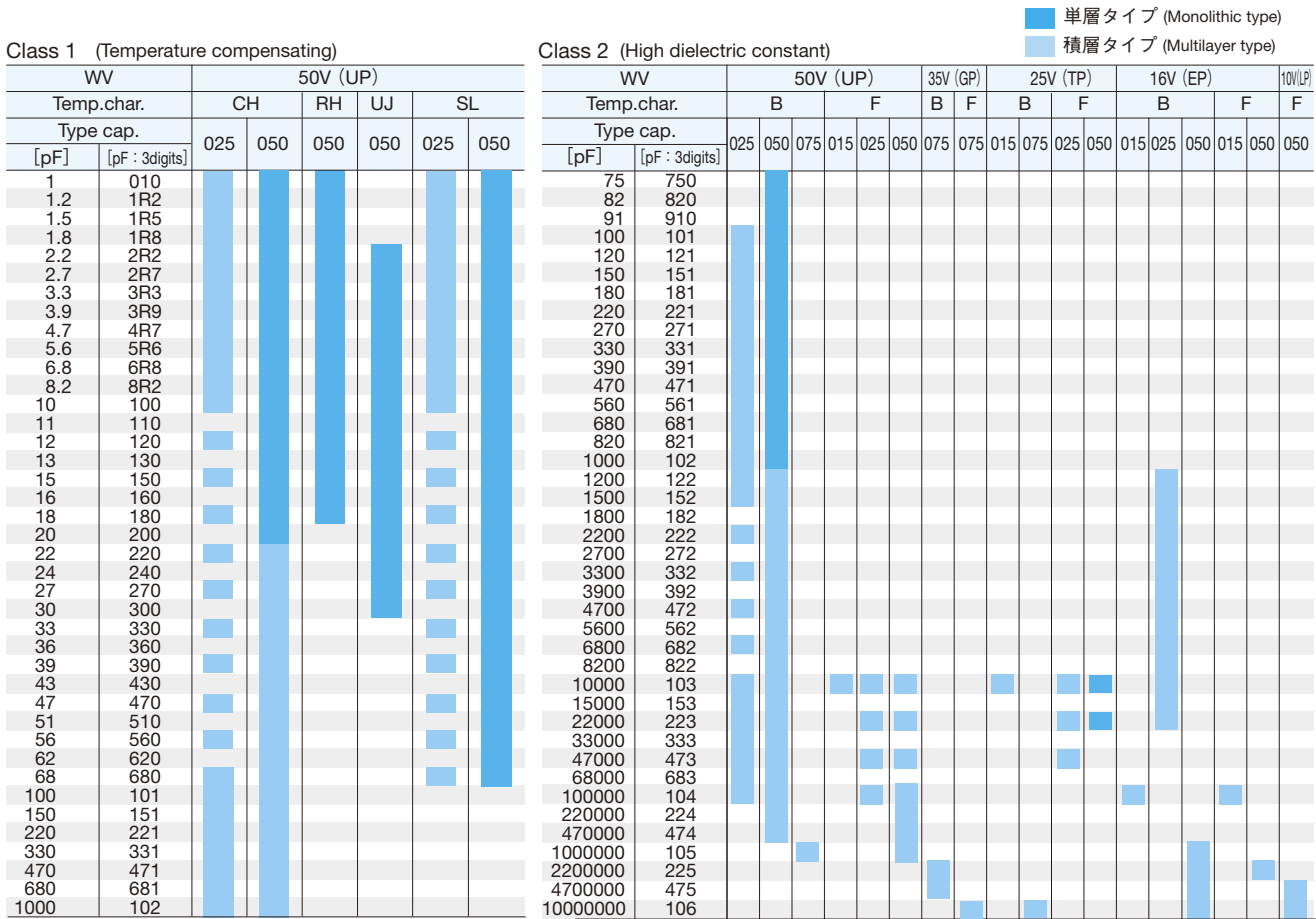
|                                      |                                                                                                                                                                      |                                                                                                                                                             |                                                                                                                                                     |                       |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| <b>1</b><br>Rated voltage [VDC]      | <b>3</b><br>Outside Dimensions (L×φd) [mm]                                                                                                                           | <b>5</b><br>Nominal Capacitance [pF]                                                                                                                        | <b>6</b><br>Capacitance Tolerances                                                                                                                  | <b>8</b><br>Packaging |
| L 10<br>E 16<br>T 25<br>G 35<br>U 50 | 075 4.2×3.2 (multilayer type)<br>050 3.5×1.9 (monolithic type)<br>3.2×2.2 (multilayer type)<br>025 2.3×2.0 (multilayer type)<br>015 3.0×2.5 (multilayer type)        | example<br>010 1<br>1R2 1.2<br>103 10000<br>※R=decimal point                                                                                                | D- ±0.5pF<br>J- ±5%<br>K- ±10%<br>M- ±20%<br>Z- ± $\frac{80}{20}$ %                                                                                 | B Ammo<br>C Bulk      |
| <b>2</b><br>Type                     | <b>4</b><br>Temperature characteristics                                                                                                                              | <b>7</b><br>Lead Configuration                                                                                                                              | <b>9</b><br>Internal code                                                                                                                           |                       |
| P Axial leaded capacitors            | CK 0±250 (ppm/°C)<br>CH 0±60 (ppm/°C)<br>RH -220±60 (ppm/°C)<br>UJ -750±120 (ppm/°C)<br>SL +350~-1000 (ppm/°C)<br>△B ±10%<br>△F ± $\frac{30}{85}$ %<br>△=Blank space | A- 26mm lead space, ammo pack<br>B- 52mm lead space, ammo pack<br>KF 5.0mm pitch formed lead bulk<br>KE 7.5mm pitch formed lead bulk<br>NA Axial lead, bulk | △△ Monolithic type<br>Standard products<br>△Z Multilayer type<br>Standard products<br>△J Multilayer type<br>(Low voltage products)<br>△=Blank space |                       |

# 外形寸法 EXTERNAL DIMENSIONS

| TYPE                        | Dimensions           |                      |                            | テーピング品 Taped product |                | 単品 Bulk Product |  |
|-----------------------------|----------------------|----------------------|----------------------------|----------------------|----------------|-----------------|--|
|                             | L                    | φD                   | φd                         | ストレート Straight       | ストレート Straight | フォーミング Formed   |  |
| 単層形050<br>(Monolithic Type) | 3.5max<br>(0.138max) | 1.9max<br>(0.075max) | 0.45±0.05<br>(0.018±0.002) |                      |                |                 |  |
| 積層形075<br>(Multilayer Type) | 4.2max<br>(0.165max) | 3.2max<br>(0.126max) | 0.55±0.05<br>(0.022±0.002) |                      |                |                 |  |
| 積層形050<br>(Multilayer Type) | 3.2max<br>(0.126max) | 2.2max<br>(0.087max) | 0.45±0.05<br>(0.018±0.002) |                      |                |                 |  |
| 積層形025<br>(Multilayer Type) | 2.3max<br>(0.09max)  | 2.0max<br>(0.079max) |                            |                      |                |                 |  |
| 積層形015<br>(Multilayer Type) | 3.0max<br>(0.118max) | 2.5max<br>(0.098max) |                            |                      |                |                 |  |

Unit : mm (inch)

# 概略バリエーション AVAILABLE CAPACITANCE RANGE



\*単層タイプの製品につきましては、生産終了予定ですので詳細につきましては最寄の弊社営業窓口までお問い合わせ下さい。  
 ※Since the production of monolithic layer products is scheduled to be discontinued, please contact your nearest sales office if you require any detailed information.

| 温度特性<br>Temperature char. | 静電容量変化率<br>Capacitance change | 容量許容差<br>Capacitance Tolerance                | Q又はtanδ<br>Q or tanδ                     | 種類<br>Class |
|---------------------------|-------------------------------|-----------------------------------------------|------------------------------------------|-------------|
| CH                        | 0± 60ppm/°C                   | D (±0.5pF)<br>M (±20%)<br>K (±10%)<br>J (±5%) | アイテム一覧参照<br>eng・Refer to the Part number | 1           |
| RH                        | -220± 60ppm/°C                |                                               |                                          |             |
| UJ                        | -750±120ppm/°C                |                                               |                                          |             |
| SL                        | +350~-1000ppm/°C              |                                               |                                          |             |
| △B                        | ±10%                          | K (±10%)                                      | アイテム一覧参照<br>eng・Refer to the Part number | 2           |
| △F                        | ±10%                          | Z (±10%)                                      |                                          |             |

\*20°Cにおける静電容量を基準。 ※Capacitance characteristics measured at 20°C