

	<b>DATASHEET</b>	<b>Part No.</b>
	<b>Multilayer ceramic capacitor</b>	<b>ACS01X16N104KNDG</b>

CUSTOMER :

# DATA SHEET

<b>Product name</b>	<b>: Multilayer ceramic capacitor</b>
<b>Part number</b>	<b>: ACS01X16N104KNDG</b>
<b>Features</b>	<b>: 0201inch / 0603mm, 0.10uF, ±10%, X7R, DC 16V</b>
<b>Revision date</b>	<b>: 2021/08/26</b>

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	<b>DATASHEET</b>	<b>Part No.</b>
	<b>Multilayer ceramic capacitor</b>	<b>ACS01X16N104KNDG</b>

## 1. Part descriptions

### 1.1 Features

- **0201inch / 0603mm size**
- Highly reliable performance
- Tape & Reel for surface mount assembly
- Stable temperature dependence of capacitance
- RoHS compliance, Halogen free
- **Operating temperature: -55~+125°C**

### 1.2. Applications

- General electronic device
- Power supplying circuit, DC-DC converter and etc.

### 1.3. Circuit Applications

- Coupling & Decoupling
- Filtering
- Bypass and DC Blocking

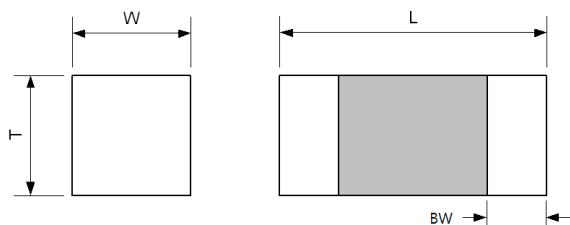
## 2. Specifications

### 2.1 Electrical characteristics

<b>Material</b>	X7R
<b>Rated voltage(Vdc) [V]</b>	16
<b>Capacitance [uF] @1kHz, 1Vrms</b>	0.10 (±10%)
<b>Dissipation factor @1kHz, 1Vrms</b>	0.1 max
<b>Insulation resistance [MΩ] @Vdc</b>	500 min
<b>Operating temperature[°C]</b>	-55 ~ +125

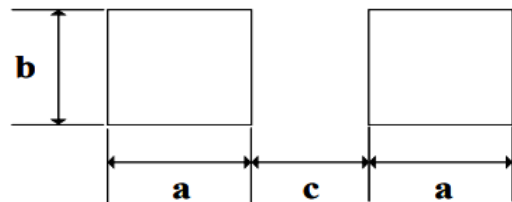
### 2.2 Mechanical dimension and solder pad

#### ■ Mechanical dimension



	L	W	T	BW
Size	0.6	0.3	0.3	0.15
(mm)	±0.03	±0.03	±0.03	±0.05

#### ■ Recommended solder pad



	a	b	c
Size	0.25	0.3	0.25
(mm)	±0.05	±0.05	±0.05

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

**2.3. Typical performance data**

