



	<b>DATASHEET</b>	<b>Part No.</b>
	<b>Multi-layer ceramic capacitor</b>	<b>ACS06X25N475KNLG</b>

CUSTOMER :

# DATA SHEET

<b>Product name</b>	<b>: Multi-layer ceramic capacitor</b>
<b>Part number</b>	<b>: ACS06X25N475KNLG</b>
<b>Features</b>	<b>: 1206inch / 3216mm, 4.7uF, ±10%, X7R, DC 25V</b>
<b>Revision date</b>	<b>: 2020/08/04</b>

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	<b>DATASHEET</b>	<b>Part No.</b>
	<b>Multi-layer ceramic capacitor</b>	<b>ACS06X25N475KNLG</b>

## 1. Part descriptions :

### 1.1 Feature :

- 1206inch / 3216mm size
- Wide range of capacitance and voltage
- Highly reliable performance
- Tape & Reel for surface mount assembly
- Stable temperature dependence of capacitance
- RoHS compliance, Halogen free

### 1.2. Applications :

- General electronic circuit
- General power supply circuit (SMPS etc.)
- DC-DC converter

### 1.3. Circuit Applications :

- Coupling & Decoupling
- Filtering
- Bypass and DC Blocking

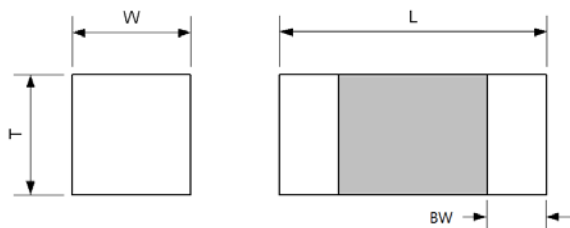
## 2. Specifications

### 2.1 Electrical characteristics

<b>Part number</b>	ACS06X25N475KNLG (General)
<b>Material</b>	X7R
<b>Rated voltage(Vdc) [V]</b>	25
<b>Capacitance[<math>\mu</math>F] @1kHz, 1Vrms</b>	4.7 ( $\pm$ 10%)
<b>Dissipation factor @1kHz, 1Vrms</b>	2.5% Max.
<b>Insulation resistance[<math>\Omega</math>*F] @Vdc</b>	500 Min.
<b>Operating temperature[<math>^{\circ}</math>C]</b>	-55 ~ +125

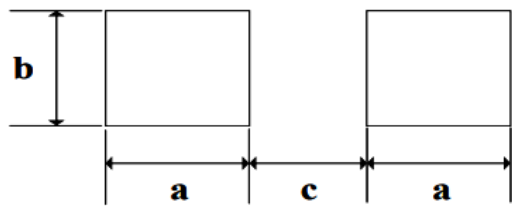
### 2.2 Mechanical dimension and solder pad

#### ■ Mechanical dimension



	L	W	T	BW
Size	3.2	1.6	1.6	0.5
(mm)	$\pm$ 0.2	$\pm$ 0.2	$\pm$ 0.2	$\pm$ 0.2

#### ■ Recommended solder pad



	a	b	c
Size	1.1	1.8	2.0
(mm)	$\pm$ 0.1	$\pm$ 0.1	$\pm$ 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**

