

	DATASHEET	Part No.
	Multi-layer ceramic capacitor	ACS06X50N105KNLG

CUSTOMER :

DATA SHEET

Product name	: Multi-layer ceramic capacitor
Part number	: ACS06X50N105KNLG
Features	: 1206inch / 3216mm, 1.0uF, ±10%, X7R, DC 50V
Revision date	: 2020/08/04

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

	DATASHEET	Part No.
	Multi-layer ceramic capacitor	ACS06X50N105KNLG

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

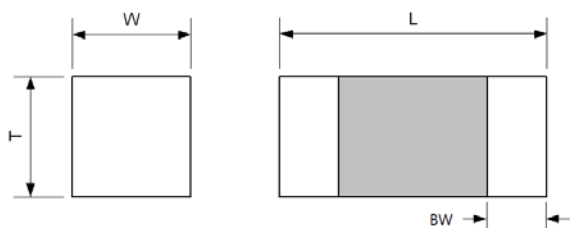
2. Specifications

2.1 Electrical characteristics

Part number	ACS06X50N105KNLG (General)
Material	X7R
Rated voltage(Vdc) [V]	50
Capacitance[μ F] @1kHz, 1Vrms	1.0 (\pm 10%)
Dissipation factor @1kHz, 1Vrms	2.5% Max.
Insulation resistance[Ω *F] @Vdc	500 Min.
Operating temperature[$^{\circ}$ C]	-55 ~ +125

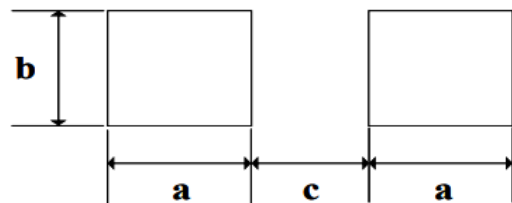
2.2 Mechanical dimension and solder pad

■ 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

