

	DATASHEET	Part No.
	Multi-layer ceramic capacitor	ACS02X06N105KNDG

CUSTOMER :

DATA SHEET

Product name	: Multi-layer ceramic capacitor
Part number	: ACS02X06N105KNDG
Features	: 0402inch / 1005mm, 1uF, ±10%, X7R, DC 6.3V
Revision date	: 2020/08/04

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	DATASHEET	Part No.
	Multi-layer ceramic capacitor	ACS02X06N105KNDG

1. Part descriptions :

1.1 Feature :

- 0402inch / 1005mm 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

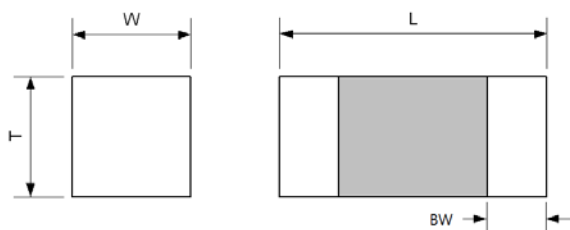
2. Specifications

2.1 Electrical characteristics

Part number	ACS02X06N105KNDG (General)
Material	X7R
Rated voltage (Vdc) [V]	6.3
Capacitance [μF] @1kHz, 1Vrms	1 (\pm 10%)
Dissipation factor [%] @1kHz, 1Vrms	12.5% Max.
Insulation resistance [Ω*F] @Vdc	50 Min.
Operating temperature [$^{\circ}$C]	-55 ~ +125

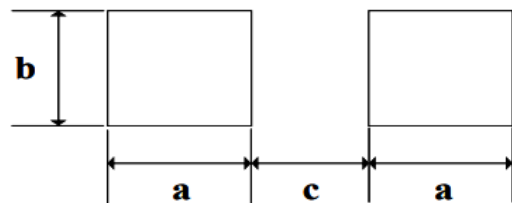
2.2 Mechanical dimension and solder pad

■ Mechanical dimension



	L	W	T	BW
Size	1.0	0.5	0.5	0.2
(mm)	\pm 0.05	\pm 0.05	\pm 0.05	\pm 0.1

■ Recommended solder pad



	a	b	c
Size	0.45	0.6	0.5
(mm)	\pm 0.05	\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

