

	DATASHEET	Part No.
	Multi-layer ceramic capacitor	ACS02X50N473KNDG

CUSTOMER :

DATA SHEET

Product name	: Multi-layer ceramic capacitor
Part number	: ACS02X50N473KNDG
Features	: 0402inch / 1005mm, 0.047nF, ±10%, X7R, DC 50V
Revision date	: 2021/01/12

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	DATASHEET	Part No.
	Multi-layer ceramic capacitor	ACS02X50N473KNDG

1. Part descriptions :

1.1 Features :

- **0402inch / 1005mm 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

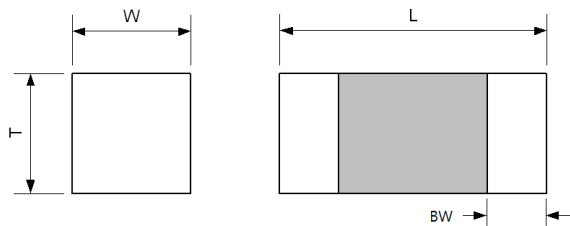
2. Specifications

2.1 Electrical characteristics

Part number	ACS02X50N473KNDG
Material	X7R
Rated voltage(Vdc) [V]	50
Capacitance [uF] @1kHz, 1Vrms	0.047 (±10%)
Dissipation factor @1kHz, 1Vrms	0.10 max.
Insulation resistance [MΩ] @Vdc	1,064
Operating temperature[°C]	-55 ~ +125

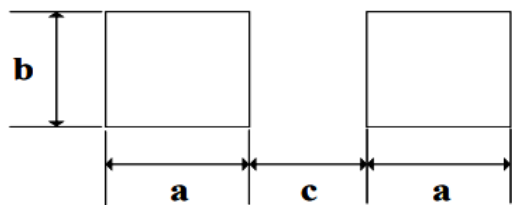
2.2 Mechanical dimension and solder pad

■ Mechanical dimension



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

■ Recommended solder pad



	a	b	c
Size	0.45	0.6	0.5
(mm)	±0.05	±0.1	±0.1

※ 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

