
	DATASHEET	Part No.
	Multilayer ceramic capacitor	ACX03X10N106MNDC

CUSTOMER :

DATA SHEET

Product name	: Multilayer ceramic capacitor
Part number	: ACX03X10N106MNDC
Features	: 0603inch / 1608mm, 10uF, ±20%, X5R, DC 10V
Revision date	: 2021/04/28

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	DATASHEET	Part No.
	Multilayer ceramic capacitor	ACX03X10N106MNDC

1. Part descriptions

1.1 Features

- 0603inch / 1608mm 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

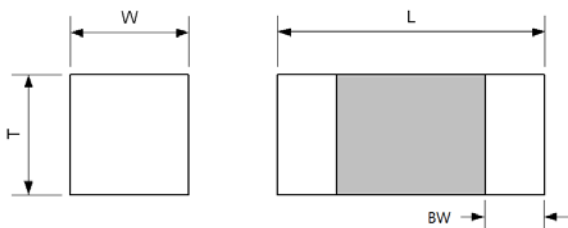
2. Specifications

2.1 Electrical characteristics

Part number	ACX03X10N106MNDC (Consumer)
Material	X5R
Rated voltage(Vdc) [V]	10
Capacitance[μF] @1kHz, 1Vrms	10 (\pm 20%)
Dissipation factor @1kHz, 1Vrms	0.1 max.
Insulation resistance[Ω*F] @Vdc	50 min.
Operating temperature[$^{\circ}$C]	-55 ~ +85

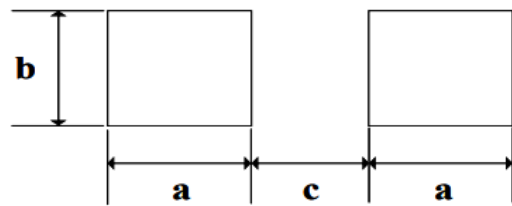
2.2 Mechanical dimension and solder pad

■ Mechanical dimension



	L	W	T	BW
Size	1.6	0.8	0.8	0.3
(mm)	\pm 0.15	\pm 0.15	\pm 0.15	\pm 0.2

■ Recommended solder pad



	a	b	c
Size	0.75	0.9	0.8
(mm)	\pm 0.05	\pm 0.10	\pm 0.10

※ 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

