

	DATASHEET	Part No.
	Multilayer ceramic capacitor	ACX05X25N106MNL

CUSTOMER :

DATA SHEET

Product name	: Multilayer ceramic capacitor
Part number	: ACX05X25N106MNL
Features	: 0805inch / 2012mm, 10uF, ±20%, X5R, DC 25V
Revision date	: 2020/08/04

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	DATASHEET	Part No.
	Multilayer ceramic capacitor	ACX05X25N106MNL

1. Part descriptions :

1.1 Feature :

- 0805inch / 2012mm 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

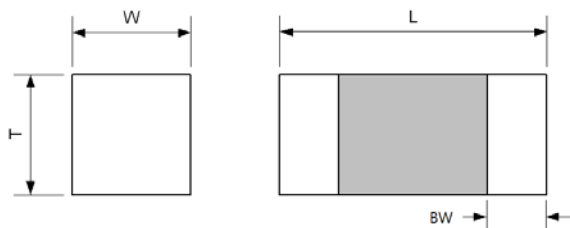
2. Specifications

2.1 Electrical characteristics

Part number	ACX05X25N106MNL (Consumer)
Material	X5R
Rated voltage (Vdc) [V]	25
Capacitance [μF] @1kHz, 1Vrms	10 (\pm 20%)
Dissipation factor [%] @1kHz, 1Vrms	10% Max.
Insulation resistance [Ω*F] @Vdc	50 min.
Operating temperature [$^{\circ}$C]	-55 ~ +85

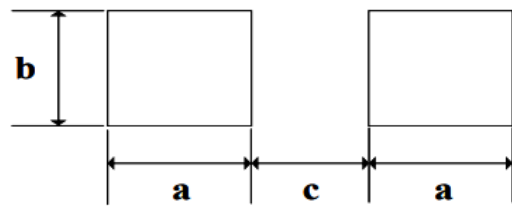
2.2 Mechanical dimension and solder pad

■ Mechanical dimension



	L	W	T	BW
Size	2.0	1.25	1.25	0.5
(mm)	\pm 0.2	\pm 0.2	\pm 0.2	\pm 0.2

■ Recommended solder pad



	a	b	c
Size	0.7	1.3	1.2
(mm)	\pm 0.1	\pm 0.1	\pm 0.2

※ 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

