

	DATASHEET	Part No.
	Multi-layer ceramic capacitor	ACU20K1CN103JNLA

CUSTOMER :

DATA SHEET

Product name	: Multi-layer ceramic capacitor
Part number	: ACU20K1CN103JNLA
Features	: 2220inch / 5750mm, 10nF, ±5%, U2J, DC 1kV
Revision date	: 2020/09/25

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	DATASHEET	Part No.
	Multi-layer ceramic capacitor	ACU20K1CN103JNLA

1. Part descriptions :

1.1 Feature :

- 2220inch / 5750mm size
- Safety design handing HV impulse
- Approved for mains AC voltages up to 250VAC
- Meet class Y2/X1, X1 and X2 requirements
- RoHS compliance, Halogen free
- AEC-Q200 compliant

1.2. Applications :

- EV/HEV powertrain
- Home appliance Power system

1.3. Circuit Applications :

- Decoupling
- Power conversion
- Transient voltage suppression

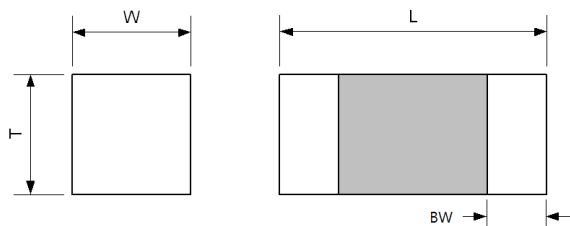
2. Specifications

2.1 Electrical characteristics

Part number	ACU20K1CN103JNLA (Auto.)
Material	U2J
Rated voltage(Vdc) [V]	1000
Capacitance[nF] @1kHz, 1Vrms	10 (±5%)
Dissipation factor @1kHz, 1Vrms	0.1%
Insulation resistance[Ω*F] @Vdc	10 GΩ
Operating temperature[°C]	-55 ~ +125

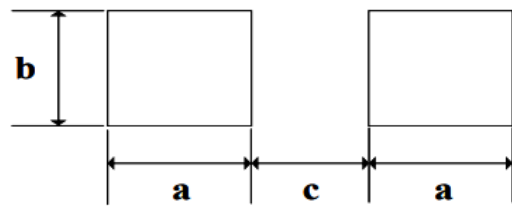
2.2 Mechanical dimension and solder pad

■ Mechanical dimension



	L	W	T	BW
Size	5.70	5.0	2.0	0.3min
(mm)	±0.40	±0.40	±0.2	

■ Recommended solder pad



	a	b	c
Size	1.75	5.6	4.5
(mm)			

※ 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

