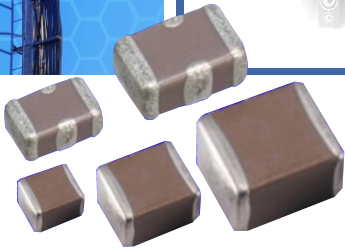
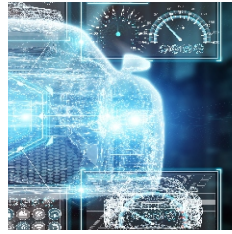
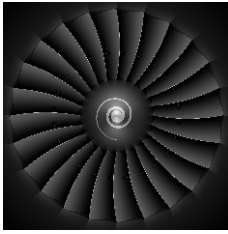
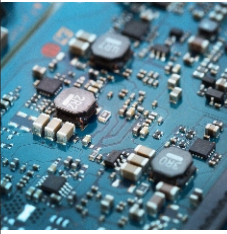


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ceramic capacitor

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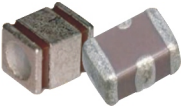
Overview

Large Cap. MLCC



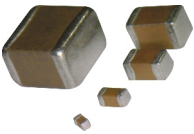
- * 0201–1206inch / 0603–3216mm
- * X7R dielectric base
- * X5R dielectric base

3 Terminal filter



- * 0603–1806inch / 1608–4516mm
- * High dielectric base
- * Multilayer type, Bulk type

High Q MLCC



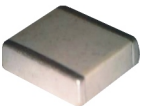
- * 0201–0805, 1111inch / 0603–2012, 2828mm
- * COG dielectric base Low ESR

Broadband capacitor



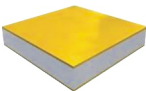
- * 01005–0402inch / 0402–1005mm
- * Up to 40GHz solution
- * X7R / X7S / X5R dielectric base

High power MLCC / Metal frame MLCC



- * 1206–3640inch / 3216–90100mm
- * Highly reliable performance
- * 100–2KV

Single layer capacitor (under development)

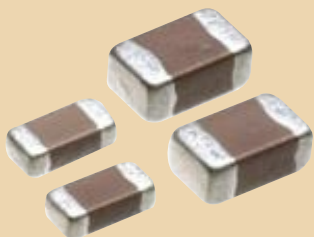


- * 10 mil, 15 mil (0.25mm, 0.38mm)
- * Gold plating
- * Large Capacitance with Low loss

Large cap. X7R

【 High reliability 】

■ Features



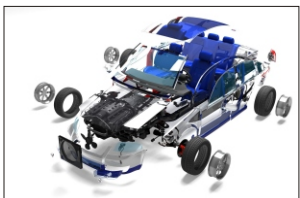
- * Customizable wide range size
- * Stable X7R dielectric
- * RoHS Compliant

■ Product line up

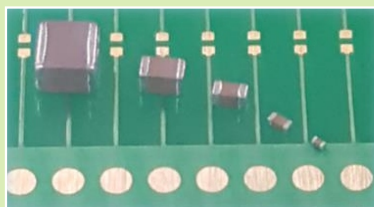
Part No.	Size		Rated Voltage	Dielectric Material	Capacitance
	EIA(inch)	JIS(mm)			
ACS02X06N□□□K	0402	1005	6,3V	X7R	-1.0uF
AC202X10N□□□K	0402	1005	10V	X7S	-1.0uF
ACS03X25N□□□K	0603	1608	25V	X7R	-1.0uF
ACS03X10N□□□K	0603	1608	10V	X7R	-2.2uF
ACS05X16N□□□K	0805	2012	16V	X7R	-4.7uF
ACS05X10N□□□K	0805	2012	10V	X7R	-10uF
ACS06X16N□□□K	1206	3216	16V	X7R	-10uF
ACS06X50N□□□K	1206	3216	50V	X7R	-4.7uF

■ Application

- * General electronic circuit
- * General power supply circuit (SMPS)
- * DC-DC converter



■ Features



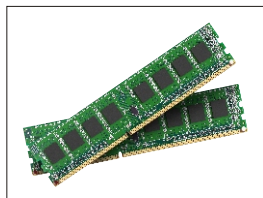
- * Customizable wide range size
- * Stable X5R dielectric
- * RoHS Compliant

■ Product line up

Part No.	Size		Rated Voltage	Dielectric Material	Capacitance
	EIA(inch)	JIS(mm)			
ACX01X10N□□□M	0201	0603	10V	X5R	-0.1uF
ACX01X06N□□□M	0201	0603	6.3V	X5R	-1.0uF
ACX02X06N□□□M	0402	1005	6.3V	X5R	-2.2uF
ACX02X06N□□□M	0402	1005	6.3V	X5R	-4.7uF
ACX03X10N□□□M	0603	1608	10V	X5R	-10uF
ACX03X10N□□□M	0603	1608	6.3V	X5R	-22uF
ACX05X10N□□□M	0805	2012	25V	X5R	-10uF

■ Application

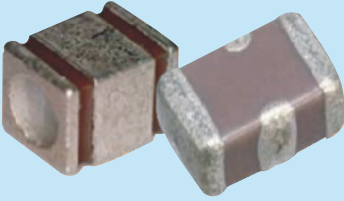
- * General electronic circuit
- * General power supply circuit (SMPS)
- * DC-DC convertor



3 Terminal filter

【 Wideband EMI Solution 】

Features



AFX

AFC

- * Various Size
- * Large current
- * Low ESL
- * RoHS Compliant

Product line up

Part No.	Size		Rated Voltage	Rated current	Capacitance
	EIA(inch)	JIS(mm)			
AFC16S03A□□□	0603	1608	16V	1A ↓	-0.022uF
AFC16S03A□□□	0603	1608	16V	2A ↑	-0.1uF
AFC25S06C□□□	4516	1806	25V	6A	-1.5uF
AFC50S06C□□□	4516	1806	50V	6A	-1.0uF
AFX1BS10F□□□	3225	1210	100V	20A	-0.001uF

- AFC : Feedthru Capacitor
- AFX : Feedthru Capacitor Coaxial

Application

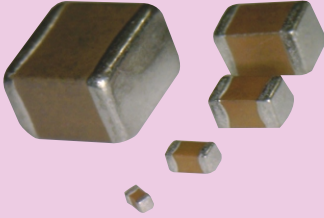
- * EMI filter for power line & signal



High Q MLCC

【 Low ESR 】

■ Features



- * Various Size
- * High Working Voltage
- * RoHS Compliant
- * High Self Resonance Frequencies
- * Stable COG dielectric

■ Product line up

Part No.	Size		Rated Voltage	Capacitance
	EIA(inch)	JIS(mm)		
ACQ11X5BN□□□	1111	2828	500V	1.2–100pF
ACQ05X2BN□□□	0805	2012	250V	10–240pF
ACQ03X2BN□□□	0603	1608	250V	0.1–100pF
ACQ02X2BN□□□	0402	1005	200V	0.1–27pF
ACQ02X2BN□□□	0402	1005	250V	0.1–33pF New
ACQ01X2BN□□□	0201	0603	200V	0.1–10pF New

■ Application

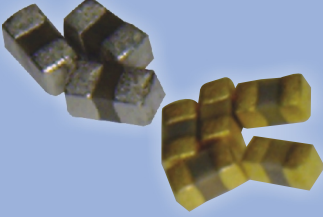


- * Cellular Base Stations
- * Satellite Communications
- * 5G CPE
- * Broadband Wireless Services
- * WiMAX (802.16)

Broadband capacitor

【 Proprietary design 】

■ Features



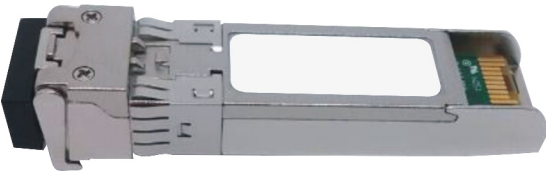
- * Customizable size
- * Low insertion loss
- * Ultra broadband up to 40Ghz
- * Gold / Tin plating option
- * RoHS Compliant

■ Product line up

Part No.	Size		Dielectric Material	Rated Voltage	Capacitance
	EIA(inch)	JIS(mm)			
(ABC)U□06X0XX103P□	01005	0402	X5R	6.3V	0.01uF
(ABC)U□10201X103P□	0201	0603	X7S	10V	0.01uF
(ABC)U□16201X104P□	0201	0603	X7S	16V	0.1uF
(ABC)U□16X02X104P□	0402	1005	X5R	16V	0.1uF
(ABC)U□10202X104P□	0402	1005	X7S	10V	0.1uF

■ Application

- * Optical communication system
- * High-speed digital logic



SFP, SFP+

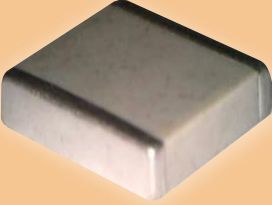


TOSA, ROSA

High Power MLCC

【 High temp. & high voltage 】

■ Features



- * Reliable temperature applications up to 150°C
- * RoHS Compliant
- * Stable temperature dependence of capacitance

■ Product line up

Part No.	Size		Rated Voltage	Capacitance
	EIA(inch)	JIS(mm)		
ACC10J2BN□□□	1210	3225	200V-	-0.047uF
ACC24K2BN□□□	2824	7060	500V-	-0.047uF
ACC40L5BN□□□	3640	90100	500V-	-0.22uF

■ Application

* Automotive Powertrain & Industry Power Systems



- * Switching mode power supply
- * High voltage coupling
- * High Voltage DC Blocking
- * Voltage multiplier circuits
- * Snubber circuits
- * Input & Output filtering

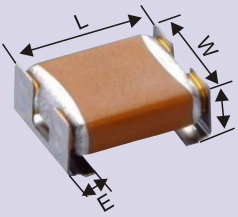
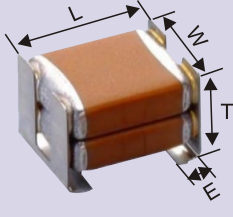


Metal frame MLCC

【 Superior DC bias 】

Features

- * Highly reliable performance
- * RoHS Compliant

Dimension (mm)	Chip type	
	Single type	Staked type
		
L	$6,1\pm0,4$	$6,4\pm0,4$
W	$5,1\pm0,3$	$5,1\pm0,3$
T	$3,8\pm0,2$	$6,4\pm0,4$
E	$1,2\pm0,2$	$1,2\pm0,2$

Product line up

Part No.	Type	Size		Rated Voltage	Capacitance
		EIA(inch)	JIS(mm)		
AC320X1B□□□S	Single	2220	5750	100V	-10uF
AC320X1B□□□D	Double	2220	5750	100V	-20uF
ACZ20X6B□□□D	Double	2220	5750	630V	-0.5uF

Application

- * Automotive infotainment & IT Power Systems



- * Switching mode power supply
- * Voltage multiplier circuits
- * Input & Output filtering

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