

Product Line Summary

Applications	Product Line	Illustration	Features	Offering
	General Capacitors (C Series) 		<ul style="list-style-type: none"> Thin ceramic dielectric layer capability Wide range of case size availability Superior dimensional precision Available in C0G, X7R, X5R, Y5V 	<ul style="list-style-type: none"> C1005 : up to 4.7 μF C1608 : up to 10 μF C2012 : up to 47 μF C3216 : up to 47 μF C3225 : up to 100 μF C4520 : up to 1 nF C4532 : up to 100 μF C5750 : up to 100 μF
General Application	Mid Voltage (C Series) 		<ul style="list-style-type: none"> 100V, 250V and 630V DC availability Employs unique electrode design 	<ul style="list-style-type: none"> C1005 - C5750 / C0G, X7R, X5R 100V - 630V / up to 4.7 μF
	High Voltage (C Series)		<ul style="list-style-type: none"> Up to 3000V rating Prevents corona on surface Based on ISO8802-3 for LAN 	<ul style="list-style-type: none"> C4520 - C4532 / C0G, X7R 1000V - 3000V / up to 10 nF
Automotive Application	Automotive (CGA Series) 		<ul style="list-style-type: none"> For use in automotive electronic equipment (power train, safety equipment, etc.) Follows CDF-AEC-Q200 tests 	<ul style="list-style-type: none"> C0603 - C5750 / C0G, X7R, X7S, X8R 25V - 630V / up to 47 μF
High Temperature	X8R (C Series)		<ul style="list-style-type: none"> Stable temp char (+/-15%) up to 150C Precise temp char (+/- 7.5%) up to 125C 	<ul style="list-style-type: none"> C1005 - C3225 / X8R 16V - 100V / up to 3.3 μF
Space Saver	Cap Array (CKC Series) 		<ul style="list-style-type: none"> 4-in-1 and 2-in-1 designs available Reduced PCB space and mounting time Unique electrode design reduces crosstalk 	<ul style="list-style-type: none"> C1310 - C3216 / C0G, X5R, X7R 2-in-1 : 6.3V - 50V / up to 2.2 μF 4-in-1 : 6.3V - 50V / up to 1.0 μF
Electrolytic/ Film Capacitor Replacement	Mega Cap (CKG Series) 		<ul style="list-style-type: none"> 2x capacitance on single foot print Low ESR and ESL Absorbs thermal and mechanical stress 	<ul style="list-style-type: none"> X5R, X7R, X7S / 16V - 630 V Single stack: up to 47 μF Double stack: up to 100 μF
	High Cap (C Series) 		<ul style="list-style-type: none"> Large case size and capacitance Capacitance up to the electrolytic range Low ESR and good freq characteristics 	<ul style="list-style-type: none"> C3216 - C5750 / X7R, Y5V C1005 - C5650 / C0G 4V - 100V / up to 100 μF
	Controlled ESR (CER Series) 		<ul style="list-style-type: none"> Unique design solves "low" ESR problem Same mount method as 2 terminal design Control ESR without affecting ESL 	<ul style="list-style-type: none"> C1608 - C2012 / X5R / 4V 1μF and 10μF / ESR: 20 mΩ to 1200 mΩ
	Flip Type (C Series) 		<ul style="list-style-type: none"> Low inductance (less than 400 pH) Provide stabilization of power line voltage High frequency noise suppression 	<ul style="list-style-type: none"> C0510 - C1632 / X5R, X5S, X6S, X7R, X7S 4V - 50V / up to 10 μF / 100 pH - 180 pH
Low Inductance	Feed Through (CKD Series) 		<ul style="list-style-type: none"> EMI prevention products Optimum noise bypass Low parasitic inductance 	<ul style="list-style-type: none"> C1608 - C3216 / JB 6.3V - 50V / up to 22 μF
	Ultra Low Inductance (CLL Series)		<ul style="list-style-type: none"> Offsetting magnetic fields Lowest available inductance High speed digital IC decoupling 	<ul style="list-style-type: none"> C1608 - C2012 / X7R, X7S 4V - 10V / up to 4.7 μF / 65 pH - 70 pH
	Soft Termination (C Series) 		<ul style="list-style-type: none"> Improved bending resistance Improved temperature cycle performance RoHS, WEE, and REACH compliant 	<ul style="list-style-type: none"> C1005 - C3225 / C0G, X5R, X7R, X7S, X8R 10V - 630V / up to 10 μF
Board Flexure	Open Mode (C Series)		<ul style="list-style-type: none"> Increased resistance to bending stress Fails "open" X7R & X8R temp characteristics 	<ul style="list-style-type: none"> C2012 - C5750 / X7R, X8R 16V - 630V / up to 22 μF
	Serial Construction (CEU Series) 		<ul style="list-style-type: none"> Floating electrode construction prevents sudden insulation breakdown after flex crack formation 	<ul style="list-style-type: none"> C1608 - C2012 / X7R 50V / up to 100 nF
Low ESR	High Q (C Series) 		<ul style="list-style-type: none"> Higher Q (lower loss) than standard caps Lower price compared to High Q Caps Same C0G BME material Same production process 	<ul style="list-style-type: none"> C0603 / C0G 25V / up to 15pF

BME Technology

RoHS Compatible

Zero Emissions

ISO 14001

TS 16949 Compliant

Green Purchasing

