SAMSUNG ELECTRO-MECHANICS

1st Choice Automotive MLCC

	6.3V				16V				50V				
Capacity E3 Series	Size	Standard (3mm)	X7R/S/T	FLEX (5mm)	Size	Standard (3mm)	X7R/S/T	FLEX (5mm)	Size	Standard (3mm)	X7R/S/T C0G	FLEX (5mm)	Capacity E3 Series
1pF									0402	CL05C010CB51PN*	C0G	N/A	1pF
2.2pF									0402	CL05C2R2CB51PN*	C0G	N/A	2.2pF
4.7pF	=> => => => => => => => =>								0402	CL05C4R7CB51PN*	C0G	N/A	4.7pF
10pF									0402	CL05C100JB51PN*	C0G	N/A	10pF
22pF	Use 50V for C < 1nF								0402	CL05C220JB51PN*	C0G	N/A	22pF
47pF									0402	CL05C470JB51PN*	C0G	N/A	47pF
100pF	=> => => => => => => => =>								0402	CL05C101JB51PN*	C0G	N/A	100pF
220pF									0402	CL05C221JB51PN*	C0G	N/A	220pF
470pF									0402	CL05B471KB5VPN*	X7R	N/A	470pF
1nF	=> => => => => => => => =>				0201	CL03B102KOSVPN*	X7R	N/A	0402	CL05B102KB5VPN*	X7R	N/A	1nF
2.2nF	Use 16V for C ≤ 10nF				0201	CL03B222KOSVPN*	X7R	N/A	0402	CL05B222KB5VPN*	X7R	N/A	2.2nF
4.7nF	=> => => => => => => => =>				0201	CL03B472KOSVPN*	X7R	N/A	0402	CL05B472KB5VPN*	X7R	N/A	4.7nF
10nF					0201	CL03B103KOSVPN*	X7R	N/A	0402	CL05B103KB5VPN*	X7R	CL05B103KB5VPJ*	10nF
22nF	0201	CL03Y223KQSVPN*	X7S	N/A	0402	CL05B223KO5VPN*	X7R	N/A	0402	CL05B223KB5VPN*	X7R	On Request	22nF
47nF	0201	CL03Y473KQSVPN*	X7S	N/A	0402	CL05B473KO5VPN*	X7R	CL05B473KO5VPJ*	0402	CL05B473KB5VPN*	X7R	On Request	47nF
100nF	0201	CL03Y104KQSVPN*	X7S	N/A	0402	CL05B104KO5VPN*	X7R	CL05B104KO5VPJ*	0402	CL05B104KB54PN*	X7R	On Request	100nF
220nF	0402	CL05Y224KQ5VPN*	X7S	N/A	0402	CL05B224KO5VPN*	X7R	On Request	0603	CL10B224KB8VPN*	X7R	CL10B224KB8VPJ*	220nF
470nF	0402	CL05Y474KQ5VPN*	X7S	N/A	0603	CL10B474KO8VPN*	X7R	CL10B474KO8VPJ*	0603	CL10B474KB8VPN*	X7R	CL10B474KB8VPJ*	470nF
1µF	0402	CL05Y105KQ6VPN*	X7S	N/A	0603	CL10B105KO8VPN*	X7R	CL10B105KO8VPJ*	0805	CL21B105KBFVPN*	X7R	CL21B105KBFVPJ*	1µF
2.2µF	0603	CL10Y225KQ8VPN*	X7S	CL10Y225KQ8VPJ	0805	CL21B225KOFVPN*	X7R	CL21B225KOQVPJ*	0805	CL21B225KBYVPN*	X7R	CL31B225KBHVPJ*	2.2µF
4.7µF	0603	CL10Z475MQ9VPN*	X7T	CL10Y475KQ96PJ	0805	CL21B475KOQVPN*	X7R	CL21B475KOQVPJ*	0805	CL21Y475KBBVPN*	X7R	CL21Y475KBBVPJ*	4.7µF
10µF	0603	CL10Z106MQ9VPN*	X7T	CL10Z106MQ9VPJ	0805	CL21Y106KOQ4PN*	X7S	CL21Y106KOBVPJ*	1206	CL31Y106KBKVPN*	X7S	CL31Y106KBKVPJ*	10µF
22uF	0805	CL21Z226MQYVPN*	X7T	CL21Z226MQYVPJ	1210	CL32B226KOJVPN*	X7R	CL32B226KOJVPJ*	1210	U/D 2024		U/D 2024	22uF
47µF	1206	CL31Z476MQKVPN*	X7T	CL31Z476MQKVPJ	1210	U/D 2023		U/D 2023					47µF
100µF	1210	CL32Z107MQV6PN*	X7T	CL32Z107MQV6PJ									100µF
220µF	1210	U/D 2023 Q2		U/D 2023 Q2									220µF