LOW INDUCTANCE CAPACITORS

In high speed switching applications where the inductance of a traditional form factor impairs the performance of the circuit, Presidio recommends its low inductance capacitors.

SIZE	L inches (mm)	W inches (mm)	THICKNESS MAX. (T) inches (mm)	METALIZATION BAND (M.B.) inches (mm)	WVDC	DIELECTRIC X7R	
0306	**0.032** (0.81) ± 0.008 (0.20)	**0.063** (1.60) ± 0.008 (0.20)	0.033 (0.84)	0.005 (0.13) min. band 0.010 (0.25) min. space	16 V	0.10 µF	NO
					25 V	0.022 µF	YES
0508	**0.050** (1.27) ± 0.010 (0.25)	**0.080** (2.03) ± 0.010 (0.25)	0.045 (1.14)	0.005 (0.13) min. band 0.020 (0.51) min. space	6.3 V	0.18 µF	NO
					10 V	0.12 µF	NO
					16 V	0.10 µF	NO
					25 V	0.047 µF	YES
0612	**0.063** (1.60) ± 0.010 (0.25)	**0.126** (3.20)± 0.010 (0.25)	0.055(1.40)	0.005 (0.13) min. band 0.025 (0.64) min. space	16 V	0.27 µF	NO
					25 V	0.22 µF	YES
0912	**0.095** (2.41) ± 0.010 (0.25)	**0.126** (3.20) ± 0.010 (0.25)	0.065 (1.65)	0.005 (0.13) min. band 0.025 (0.64) min. space	16 V	0.68 µF	NO
					25 V	0.47 µF	YES
MIL-PRF-123 MINIMUM DIELECTRIC THICKNESS COMPLIANT:					**0.8 mils for 50V 1.0 mils for 100V**		**YES/NO**

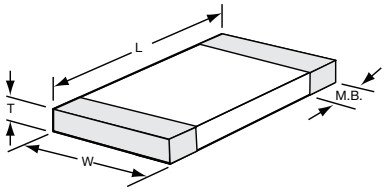
HOW TO ORDER LOW INDUCTANCE CAPACITORS (See p. 3, Example: SR0306X7R224LENT91)

SR	0306	X7R	224	L	E	NT9	1	–
Prefix	Case Size	Dielectric Code	Capacitance Code .022 µF	Tolerance Code -10% / +20%	Voltage Code 10V	Termination Code Ni/SnPb	Marking and Packaging Reel, unmarked	Blank = Non-RoHS R = RoHS Compliant

OTHER AVAILABLE SIZES

Chart below shows additional sizes available from factory

SIZE	L inches (mm)	W inches (mm)	Thickness Max. (T) inches (mm)	DIELECTRIC NPO 50V	NPO 25V	BX 50V	BX 25V	X7R 50V	X7R 25V	Y5V 50V	Y5V 25V
0704	0.070 (1.78)	0.040 (1.02)	0.040 (1.02)	680 pF	820 pF	6800 pF	0.012 µF	0.018 µF	0.022 µF	0.027 µF	0.039 µF
0905	0.100 (2.54)	0.050 (1.27)	0.050 (1.27)	1800 pF	2200 pF	0.018 µF	0.033 µF	0.047 µF	0.068 µF	0.12 µF	0.18 µF
0907	0.090 (2.29)	0.070 (1.78)	0.050 (1.27)	2700 pF	3300 pF	0.068 µF	0.10 µF	0.10 µF	0.12 µF	0.22 µF	0.27 µF
1505	0.150 (3.81)	0.050 (1.27)	0.050 (1.27)	3300 pF	3900 pF	0.047 µF	0.082 µF	0.10 µF	0.12 µF	0.22 µF	0.27 µF
1706	0.170 (4.32)	0.065 (1.65)	0.065 (1.65)	4700 pF	8200 pF	0.10 µF	0.15 µF	0.18 µF	0.22 µF	0.47 µF	0.68 µF
1808	0.180 (4.57)	0.080 (2.03)	0.065 (1.65)	0.010 µF	0.012 µF	0.15 µF	0.22 µF	0.33 µF	0.39 µF	1.0 µF	1.2 µF
2018	0.197 (5.00)	0.180 (4.57)	0.080 (2.03)	0.027 µF	0.033 µF	0.47 µF	0.56 µF	0.56 µF	0.68 µF	2.2 µF	2.7 µF
2321	0.225 (5.72)	0.210 (5.33)	0.070 (1.78)	0.047 µF	0.056 µF	0.68 µF	0.82 µF	0.82 µF	1.0 µF	2.7 µF	3.3 vF
2708	0.270 (6.85)	0.080 (2.03)	0.070 (1.78)	0.010 µF	0.012 µF	0.22 µF	0.27 µF	0.39 µF	0.47 µF	1.2 µF	1.5 µF
2725	0.270 (6.85)	0.250 (6.35)	0.055 (1.40)	0.05 µF	0.060 µF			2.0 µF	2.2 µF		
3439	0.340 (8.64)	0.390 (9.91)	0.060 (1.52)	0.082 µF	0.100 µF			3.3 µF	3.9 µF		
3736	0.370 (9.40)	0.360 (9.14)	0.060 (1.52)	0.100 µF	0.120 µF			4.0 µF	4.7 µF		
3941	0.390 (9.91)	0.410 (10.41)	0.060 (1.52)	0.150 µF	0.180 µF			6.0 µF	6.8 µF		
4036	0.400 (10.16)	0.360 (9.14)	0.060 (1.52)	0.120 µF	0.150 µF			5.0 µF	5.6 µF		
4540	0.450 (11.43)	0.400 (10.16)	0.060 (1.52)	0.180 µF	0.200 µF			6.8 µF	7.8 µF		
5595	0.550 (13.97)	0.950 (24.13)	0.070 (1.78)	0.270 µF	0.300 µF			10.0 µF	12.0 µF		
5930	0.585 (14.86)	0.298 (7.57)	0.070 (1.78)	0.150 µF	0.180 µF			6.0 µF	6.8 µF		



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