

LGA Low Inductance Capacitors



0204/0306/0805 Land Grid Arrays – Tin/Lead Termination “B”

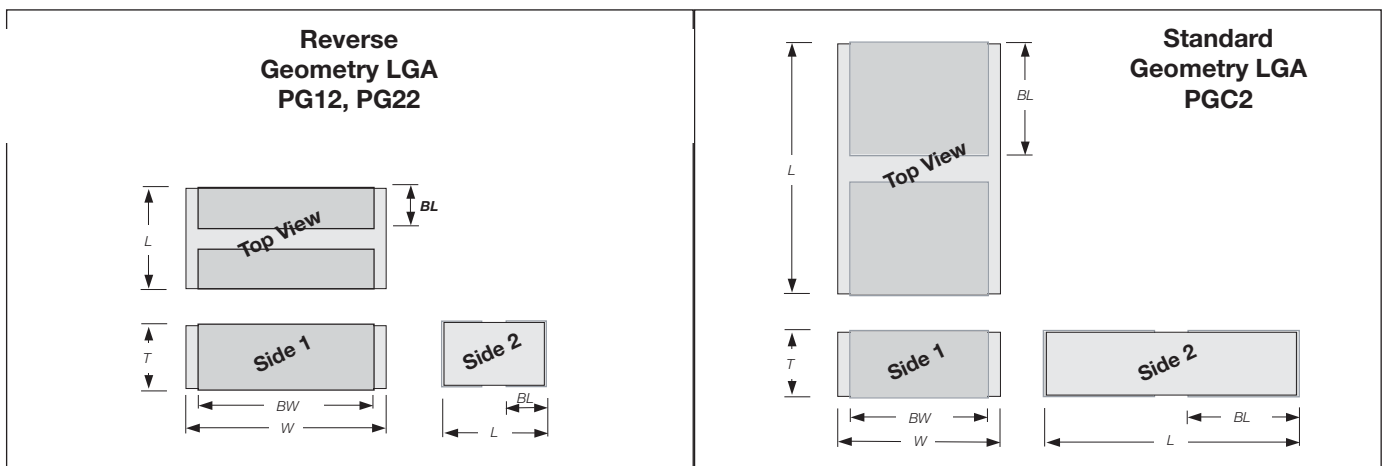
SIZE	LG12 (0204)						LG22 (0306)								LGC2 (0805)								
Length mm (in.)	0.50 (0.020)						0.76 (0.030)								2.06 (0.081)								
Width mm (in.)	1.00 (0.039)						1.60 (0.063)								1.32 (0.052)								
Temp. Char.	X5R (D)		X7S (Z)		X6S (W)		X7R (C)			X5R (D)		X7S (Z)		X6S (W)		X7R (C)		X5R (D)		X7S (Z)		X6S (W)	
Working Voltage	6.3 (6)	4 (4)	6.3 (6)	4 (4)	6.3 (6)	4 (4)	10 (Z)	6.3 (6)	4 (4)	6.3 (6)	4 (4)	6.3 (6)	4 (4)	6.3 (6)	4 (4)	6.3 (6)	4 (4)	6.3 (6)	4 (4)	6.3 (6)	4 (4)	6.3 (6)	4 (4)
Cap (μF)	0.010 (103)																						
	0.022 (223)																						
	0.047 (473)																						
	0.100 (104)																						
	0.220 (224)																						
	0.330 (334)																						
	0.470 (474)																						
	1.000 (105)																						
	2.200 (225)																						

= X7R
 = X5R
 = X7S
 = X6S

HOW TO ORDER

PG	1	2	6	Z	104	M	A	B	2	S	1
Style	Case Size	Number of Terminals	Working Voltage	Temperature Characteristic	Coded Cap	Cap Tolerance	Termination Style	Termination 5% Min Lead	Packaging Tape & Reel	Thickness S = 0.55mm max	Number of Capacitors
	1 = 0204 2 = 0306 C = 0805	2	4 = 4V 6 = 6.3V Z = 10V	C = X7R D = X5R Z = X7S W = X6S		M = 20%	A = “U” Land		2 = 7" Reel 4 = 13" Reel		

Not RoHS Compliant



PART DIMENSIONS

Series	L	W	T	BW	BL
PG12 (0204)	0.5 ± 0.05 (0.020 ± 0.002)	1.00 ± 0.10 (0.039 ± 0.004)	0.50 ± 0.05 (0.020 ± 0.002)	0.8 ± 0.10 (0.031 ± 0.004)	0.13 ± 0.08 (0.005 ± 0.003)
PG22 (0306)	0.76 ± 0.10 (0.030 ± 0.004)	1.60 ± 0.10 (0.063 ± 0.004)	0.50 ± 0.05 (0.020 ± 0.002)	1.50 ± 0.10 (0.059 ± 0.004)	0.28 ± 0.08 (0.011 ± 0.003)
PGC2 (0805)	2.06 ± 0.10 (0.081 ± 0.004)	1.32 ± 0.10 (0.052 ± 0.004)	0.50 ± 0.05 (0.020 ± 0.002)	1.14 ± 0.10 (0.045 ± 0.004)	0.90 ± 0.08 (0.035 ± 0.003)

RECOMMENDED SOLDER PAD DIMENSIONS

Series	PL	PW1	G
PG12 (0204)	0.50 (0.020)	1.00 (0.039)	0.20 (0.008)
PG22 (0306)	0.65 (0.026)	1.50 (0.059)	0.20 (0.008)
PGC2 (0805)	1.25 (0.049)	1.40 (0.055)	0.20 (0.008)

Mouser Electronics

Authorized Distributor

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AVX:

<u>PG124D104MAB2S1</u>	<u>PG124D223MAB2S1</u>	<u>PG124D473MAB2S1</u>	<u>PG124W103MAB2S1</u>	<u>PG124W104MAB2S1</u>
<u>PG124W223MAB2S1</u>	<u>PG124W473MAB2S1</u>	<u>PG124Z103MAB2S1</u>	<u>PG124Z104MAB2S1</u>	<u>PG124Z223MAB2S1</u>
<u>PG124Z473MAB2S1</u>	<u>PG126D103MAB2S1</u>	<u>PG126D104MAB2S1</u>	<u>PG126D223MAB2S1</u>	<u>PG126W103MAB2S1</u>
<u>PG126W104MAB2S1</u>	<u>PG126W223MAB2S1</u>	<u>PG126Z103MAB2S1</u>	<u>PG126Z473MAB2S1</u>	<u>PG224C103MAB2S1</u>
<u>PG224D103MAB2S1</u>	<u>PG224D104MAB2S1</u>	<u>PG224D223MAB2S1</u>	<u>PG224D224MAB2S1</u>	<u>PG224D473MAB2S1</u>
<u>PG224D474MAB2S1</u>	<u>PG224W103MAB2S1</u>	<u>PG224W104MAB2S1</u>	<u>PG224W223MAB2S1</u>	<u>PG224W224MAB2S1</u>
<u>PG224W334MAB2S1</u>	<u>PG224W473MAB2S1</u>	<u>PG224Z103MAB2S1</u>	<u>PG224Z223MAB2S1</u>	<u>PG224Z224MAB2S1</u>
<u>PG224Z334MAB2S1</u>	<u>PG224Z473MAB2S1</u>	<u>PG226D103MAB2S1</u>	<u>PG226D104MAB2S1</u>	<u>PG226D223MAB2S1</u>
<u>PG226D224MAB2S1</u>	<u>PG226D473MAB2S1</u>	<u>PG226W103MAB2S1</u>	<u>PG226W104MAB2S1</u>	<u>PG226W473MAB2S1</u>
<u>PG226Z103MAB2S1</u>	<u>PG226Z223MAB2S1</u>	<u>PG226Z473MAB2S1</u>	<u>PG22ZC103MAB2S1</u>	