

# LGA Low Inductance Capacitors



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

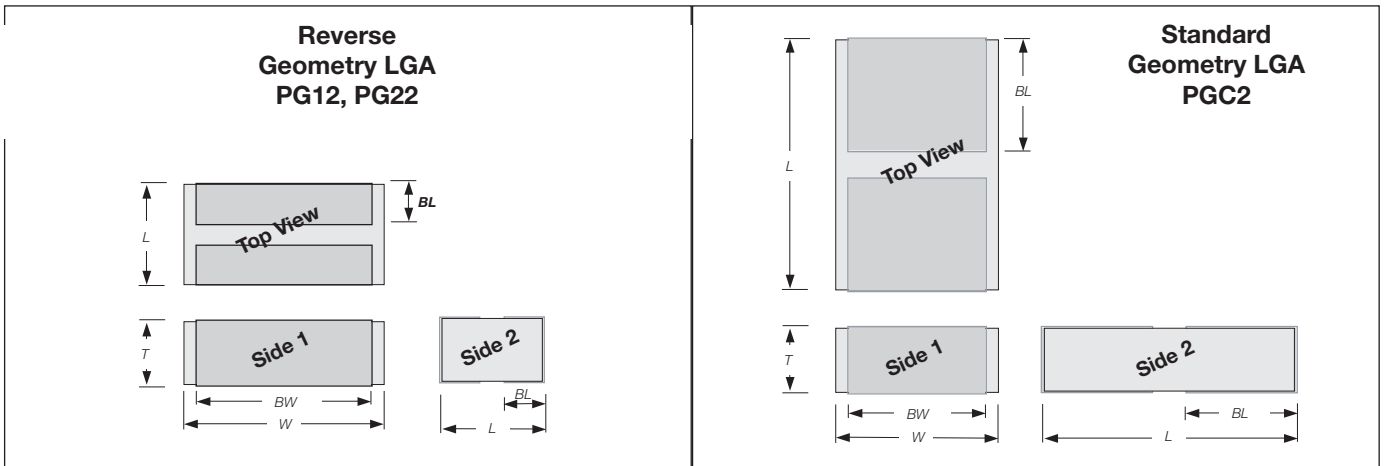
SIZE	PG12 (0204)						PG22 (0306)						PGC2 (0805)										
Length mm (in.)	0.50 (0.020)						0.76 (0.030)						2.06 (0.081)										
Width mm (in.)	1.00 (0.039)						1.60 (0.063)						1.32 (0.052)										
Temp. Char.	X5R (D)		X7S (Z)		X6S (W)		X7R (C)		X5R (D)		X7S (Z)		X6S (W)		X7R (C)		X5R (D)		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)																						

= X7R   
  = X5R   
  = X7S   
  = X6S

Please contact AVX for values

### HOW TO ORDER

<b>PG</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>Z</b>	<b>104</b>	<b>M</b>	<b>A</b>	<b>B</b>	<b>2</b>	<b>S</b>	<b>1</b>
Style	Case Size	Number of Terminals	Working Voltage	Temperature Characteristic	Coded Cap	Cap Tolerance	Termination Style	Termination	Packaging Tape & Reel	Thickness	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	5% Min Lead	2 = 7" Reel 4 = 13" Reel	S = 0.55mm max	



### 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)

