

# 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)																						

= X7R  
  = X5R  
  = X7S  
  = X6S

### 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	

Not RoHS Compliant



### PART DIMENSIONS

Series	mm (inches)				
	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

mm (inches)



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)

