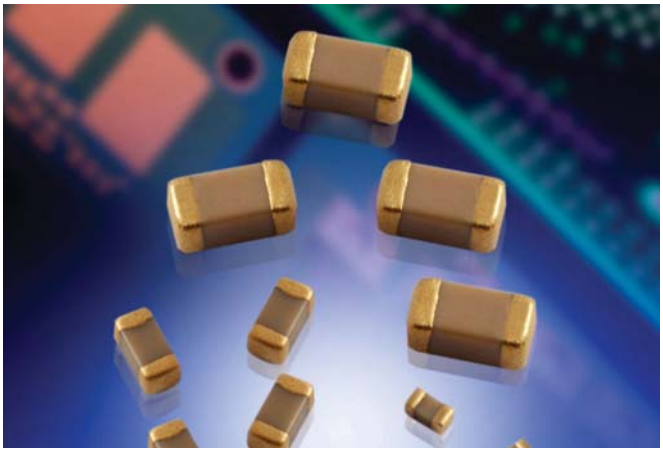
MLCC Gold Termination – AU Series

General Specifications



AVX Corporation will support those customers for commercial and military Multilayer Ceramic Capacitors with a termination consisting of Gold. This termination is indicated by the use of a “7” or “G” in the 12th position of the AVX Catalog Part Number. This fulfills AVX’s commitment to providing a full range of products to our customers. Please contact the factory if you require additional information on our MLCC Gold Termination.

PART NUMBER

AU03	Y	C	104	K	A	7	2	A
Size AU01 - 0201 AU02 - 0402 AU03 - 0603 AU05 - 0805 AU06 - 1206 AU10 - 1210 AU12 - 1812 AU13 - 1825 AU14 - 2225 AU16 - 0306 AU17 - 0508 AU18 - 0612	**Voltage** 6.3V = 6 10V = Z 16V = Y 25V = 3 35V = D 50V = 5 100V = 1 200V = 2 500V = 7	**Dielectric** C0G (NP0) = A X7R = C X5R = D	**Capacitance Code (In pF)** 2 Sig. Digits + Number of Zeros	**Capacitance Tolerance** B = ±.10 pF (<10pF) C = ±.25 pF (<10pF) D = ±.50 pF (<10pF) F = ±1% (≥ 10 pF) G = ±2% (≥ 10 pF) J = ±5% K = ±10% M = ±20%	**Failure Rate** A = Not Applicable	**Terminations** G* = 1.9 µ" to 7.87 µ" 7 = 100 µ" minimum	**Packaging** 2 = 7" Reel 4 = 13" Reel 9 = Bulk **Contact Factory For Multiples***	**Special Code** A = Std. Product

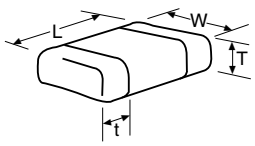
* Contact factory for availability.

MLCC Gold Termination – AU Series

Capacitance Range (NP0 Dielectric)

PREFERRED SIZES ARE SHADED

SIZE		AU01		AU02			AU03				AU05					AU06					
Soldering		Reflow/Epoxy/ Wire Bond*		Reflow/Epoxy/ Wire Bond*			Reflow/Epoxy/ Wire Bond				Reflow/Epoxy/ Wire Bond					Reflow/Epoxy/ Wire Bond					
Packaging		All Paper		All Paper			All Paper				Paper/Embossed					Paper/Embossed					
(L) Length	mm (in.)	0.60 ± 0.03 (0.024 ± 0.001		1.00 ± 0.10 (0.040 ± 0.004)			1.60 ± 0.15 (0.063 ± 0.006)				2.01 ± 0.20 (0.079 ± 0.008)					3.20 ± 0.20 (0.126 ± 0.008)					
(W) Width	mm (in.)	0.30 ± 0.03 (0.011 ± 0.001)		0.50 ± 0.10 (0.020 ± 0.004)			0.81 ± 0.15 (0.032 ± 0.006)				1.25 ± 0.20 (0.049 ± 0.008)					1.60 ± 0.20 (0.063 ± 0.008)					
(t) Terminal	mm (in.)	0.15 ± 0.05 (0.006 ± 0.002)		0.25 ± 0.15 (0.010 ± 0.006)			0.35 ± 0.15 (0.014 ± 0.006)				0.50 ± 0.25 (0.020 ± 0.010)					0.50 ± 0.25 (0.020 ± 0.010)					
	WVDC	16	25	16	25	50	16	25	50	100	16	25	50	100	200	16	25	50	100	200	500
Cap (pF)	0.5	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	1.0	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	1.2	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	1.5	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	1.8	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	2.2	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	2.7	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	3.3	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	3.9	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	4.7	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	5.6	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	6.8	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	8.2	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	10	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	12	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	15	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	18	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	22	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	27	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	33	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	39	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	47	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	56	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	68	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	82	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	100	A	A	C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	120			C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	150			C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	180			C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	J
	220			C	C	C	G	G	G	G	J	J	J	J	J	J	J	J	J	J	M
	270			C	C	C	G	G	G	G	J	J	J	J	M	J	J	J	J	J	M
	330			C	C	C	G	G	G	G	J	J	J	J	M	J	J	J	J	J	M
	390			C	C	C	G	G	G		J	J	J	J	M	J	J	J	J	J	M
	470			C	C	C	G	G	G		J	J	J	J	M	J	J	J	J	J	M
	560						G	G	G		J	J	J	J	M	J	J	J	J	J	M
	680						G	G	G		J	J	J	J		J	J	J	J	J	P
	820						G	G	G		J	J	J	J		J	J	J	J	M	
	1000						G	G	G		J	J	J	J		J	J	J	J	Q	
	1200										J	J	J			J	J	J	J	Q	
	1500										J	J	J			J	J	J	M	Q	
	1800										J	J	J			J	J	M	M		
	2200										J	J	N			J	J	M	P		
	2700										J	J	N			J	J	M	P		
	3300										J	J				J	J	M	P		
	3900										J	J				J	J	M	P		
	4700										J	J				J	J	M	P		
	5600															J	J	M			
	6800															M	M				
	8200															M	M				
Cap (µF)	0.010															M	M				
	0.012																				
	0.015																				
	0.018																				
	0.022																				
	0.027																				
	0.033																				
	0.039																				
	0.047																				
	0.068																				
	0.082																				
	0.1																				
	WVDC	16	25	16	25	50	16	25	50	100	16	25	50	100	200	16	25	50	100	200	500
	SIZE	AU01		AU02			AU03				AU05					AU06					



* Contact factory

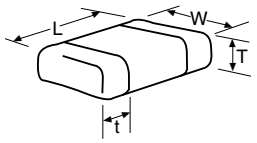
Letter	A	C	E	G	J	K	M	N	P	Q	X	Y	Z
Max. Thickness	0.33 (0.013)	0.56 (0.022)	0.71 (0.028)	0.90 (0.035)	0.94 (0.037)	1.02 (0.040)	1.27 (0.050)	1.40 (0.055)	1.52 (0.060)	1.78 (0.070)	2.29 (0.090)	2.54 (0.100)	2.79 (0.110)
	PAPER					EMBOSSED							

MLCC Gold Termination – AU Series

Capacitance Range (NP0 Dielectric)

PREFERRED SIZES ARE SHADED

SIZE		AU10					AU12					AU13			AU14		
Soldering		Reflow/Epoxy/ Wire Bond*					Reflow/Epoxy/ Wire Bond*					Reflow/Epoxy/ Wire Bond*			Reflow/Epoxy/ Wire Bond*		
Packaging		Paper/Embossed					All Embossed					All Embossed			All Embossed		
(L) Length	mm (in.)	3.20 ± 0.20 (0.126 ± 0.008)					4.50 ± 0.30 (0.177 ± 0.012)					4.50 ± 0.30 (0.177 ± 0.012)			5.72 ± 0.25 (0.225 ± 0.010)		
(W) Width	mm (in.)	2.50 ± 0.20 (0.098 ± 0.008)					3.20 ± 0.20 (0.126 ± 0.008)					6.40 ± 0.40 (0.252 ± 0.016)			6.35 ± 0.25 (0.250 ± 0.010)		
(t) Terminal	mm (in.)	0.50 ± 0.25 (0.020 ± 0.010)					0.61 ± 0.36 (0.024 ± 0.014)					0.61 ± 0.36 (0.024 ± 0.014)			0.64 ± 0.39 (0.025 ± 0.015)		
	WVDC	25	50	100	200	500	25	50	100	200	500	50	100	200	50	100	200
Cap (pF)	0.5																
	1.0																
	1.2																
	1.5																
	1.8																
	2.2																
	2.7																
	3.3																
	3.9																
	4.7																
	5.6																
	6.8																
	8.2																
	10					J											
	12					J											
	15					J											
	18					J											
	22					J											
	27					J											
	33					J											
	39					J											
	47					J											
	56					J											
	68					J											
	82					J											
	100					J											
	120					J											
	150					J											
	180					J											
	220					J											
	270					J											
	330					J											
	390					M											
	470					M											
	560	J	J	J	J	M											
	680	J	J	J	J	M											
	820	J	J	J	J	M											
	1000	J	J	J	J	M	K	K	K	K	M	M	M	M	M	M	P
	1200	J	J	J	M	M	K	K	K	K	M	M	M	M	M	M	P
	1500	J	J	J	M	M	K	K	K	K	M	M	M	M	M	M	P
	1800	J	J	J	M		K	K	K	K	M	M	M	M	M	M	P
	2200	J	J	J	Q		K	K	K	K	P	M	M	M	M	M	P
	2700	J	J	J	Q		K	K	K	P	Q	M	M	M	M	M	P
	3300	J	J	J			K	K	K	P	Q	M	M	M	M	M	P
	3900	J	J	M			K	K	K	P	Q	M	M	M	M	M	P
	4700	J	J	M			K	K	K	P	Q	M	M	M	M	M	P
	5600	J	J				K	K	M	P	X	M	M	M	M	M	P
	6800	J	J				K	K	M	X		M	M	M	M	M	P
	8200	J	J				K	M	M			M	M		M	M	P
Cap (µF)	0.010	J	J				K	M	M			M	M		M	M	P
	0.012	J	J				K	M				M	M		M	M	P
	0.015						M	M				M	M		M	M	Y
	0.018						M	M				P	M		M	M	Y
	0.022						M	M				P			M	Y	Y
	0.027						M	M				P			P	Y	Y
	0.033						M	M				P			P		
	0.039						M	M				P			P		
	0.047						M	M				P			P		
	0.068						M	M							P		
	0.082						M	M							Q		
	0.1														Q		
	WVDC	25	50	100	200	500	25	50	100	200	500	50	100	200	50	100	200
SIZE		AU10					AU12					AU13			AU14		



* Contact factory

Letter	A	C	E	G	J	K	M	N	P	Q	X	Y	Z
Max. Thickness	0.33 (0.013)	0.56 (0.022)	0.71 (0.028)	0.90 (0.035)	0.94 (0.037)	1.02 (0.040)	1.27 (0.050)	1.40 (0.055)	1.52 (0.060)	1.78 (0.070)	2.29 (0.090)	2.54 (0.100)	2.79 (0.110)
	PAPER					EMBOSSED							

MLCC Gold Termination – AU Series

Capacitance Range (X7R Dielectric)

PREFERRED SIZES ARE SHADED

SIZE		AU02			AU03							AU05							AU06							
Soldering		Reflow/Epoxy Wire Bond*																								
Packaging		All Paper										Paper/Embossed														
(L) Length	mm (in.)	1.00 ± 0.10 (0.040 ± 0.004)			1.60 ± 0.15 (0.063 ± 0.006)							2.01 ± 0.20 (0.079 ± 0.008)							3.20 ± 0.20 (0.126 ± 0.008)							
(W) Width	mm (in.)	0.50 ± 0.10 (0.020 ± 0.004)			0.81 ± 0.15 (0.032 ± 0.006)							1.25 ± 0.20 (0.049 ± 0.008)							1.60 ± 0.20 (0.063 ± 0.008)							
(t) Terminal	mm (in.)	0.25 ± 0.15 (0.010 ± 0.006)			0.35 ± 0.15 (0.014 ± 0.006)							0.50 ± 0.25 (0.020 ± 0.010)							0.50 ± 0.25 (0.020 ± 0.010)							
	WVDC	16	25	50	6.3	10	16	25	50	100	200	6.3	10	16	25	50	100	200	6.3	10	16	25	50	100	200	500
Cap (pF)	100																									
	150																									
	220			C																						
	330			C					G	G	G		J	J	J	J	J	J								K
	470			C					G	G	G		J	J	J	J	J	J								K
	680			C					G	G	G		J	J	J	J	J	J								K
	1000			C					G	G	G		J	J	J	J	J	J								K
	1500			C					G	G			J	J	J	J	J	J		J	J	J	J	J	J	M
	2200			C					G	G			J	J	J	J	J	J		J	J	J	J	J	J	M
	3300		C	C					G	G			J	J	J	J	J	J		J	J	J	J	J	J	M
	4700		C	C					G	G			J	J	J	J	J	J		J	J	J	J	J	J	M
	6800	C	C						G	G			J	J	J	J	J	J		J	J	J	J	J	J	P
Cap (µF)	0.010	C							G	G			J	J	J	J	J	J		J	J	J	J	J	J	P
	0.015	C						G	G				J	J	J	J	J	J		J	J	J	J	J	M	
	0.022	C						G	G				J	J	J	J	J	N		J	J	J	J	J	M	
	0.033							G	G				J	J	J	J	N			J	J	J	J	J	M	
	0.047						G	G	G				J	J	J	J	N			J	J	J	J	J	M	
	0.068						G	G	G				J	J	J	J	N			J	J	J	J	J	P	
	0.10		C*			G	G	G	G				J	J	J	J	N			J	J	J	J	M	P	
	0.15				G	G							J	J	J	N	N			J	J	J	J	Q		
	0.22				G	G							J	J	N	N	N			J	J	J	J	Q		
	0.33												N	N	N	N	N			J	J	M	P	Q		
	0.47							J*					N	N	N	N	N			M	M	M	P	Q		
	0.68												N	N	N					M	M	Q	Q	Q		
	1.0					J*	J*						N	N	N*					M	M	Q	Q	Q		
	1.5																			P	Q	Q				
	2.2				J*										P*					Q	Q	Q				
	3.3																									
	4.7												P*	P*						Q*	Q*	Q*				
	10											P*								Q*	Q*					
	22																		Q*							
	47																									
	100																									
	WVDC	16	25	50	6.3	10	16	25	50	100	200	6.3	10	16	25	50	100	200	6.3	10	16	25	50	100	200	500
SIZE		AU02			AU03							AU05							AU06							

* Contact factory

Letter	A	C	E	G	J	K	M	N	P	Q	X	Y	Z
Max. Thickness	0.33 (0.013)	0.56 (0.022)	0.71 (0.028)	0.90 (0.035)	0.94 (0.037)	1.02 (0.040)	1.27 (0.050)	1.40 (0.055)	1.52 (0.060)	1.78 (0.070)	2.29 (0.090)	2.54 (0.100)	2.79 (0.110)
	PAPER					EMBOSSED							

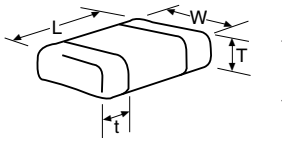
= **Under Development**

MLCC Gold Termination – AU Series

Capacitance Range (X7R Dielectric)

PREFERRED SIZES ARE SHADED

SIZE		AU10							AU12				AU13		AU14	
Soldering		Reflow/Epoxy/ Wire Bond*							Reflow/Epoxy/ Wire Bond*				Reflow/Epoxy/ Wire Bond*		Reflow/Epoxy/ Wire Bond*	
Packaging		Paper/Embossed							All Embossed				All Embossed		All Embossed	
(L) Length	mm (in.)	3.20 ± 0.20 (0.126 ± 0.008)							4.50 ± 0.30 (0.177 ± 0.012)				4.50 ± 0.30 (0.177 ± 0.012)		5.72 ± 0.25 (0.225 ± 0.010)	
(W) Width	mm (in.)	2.50 ± 0.20 (0.098 ± 0.008)							3.20 ± 0.20 (0.126 ± 0.008)				6.40 ± 0.40 (0.252 ± 0.016)		6.35 ± 0.25 (0.250 ± 0.010)	
(t) Terminal	mm (in.)	0.50 ± 0.25 (0.020 ± 0.010)							0.61 ± 0.36 (0.024 ± 0.014)				0.61 ± 0.36 (0.024 ± 0.014)		0.64 ± 0.39 (0.025 ± 0.015)	
	WVDC	10	16	25	50	100	200	500	50	100	200	500	50	100	50	100
Cap (pF)	100															
	150															
	220															
	330															
	470															
	680															
	1000															
	1500	J	J	J	J	J	J	M								
	2200	J	J	J	J	J	J	M								
	3300	J	J	J	J	J	J	M								
	4700	J	J	J	J	J	J	M								
	6800	J	J	J	J	J	J	M								
Cap (µF	0.010	J	J	J	J	J	J	M	K	K	K	K	M	M	M	P
	0.015	J	J	J	J	J	J	P	K	K	K	P	M	M	M	P
	0.022	J	J	J	J	J	J	Q	K	K	K	P	M	M	M	P
	0.033	J	J	J	J	J	J	Q	K	K	K	X	M	M	M	P
	0.047	J	J	J	J	J	J		K	K	K	Z	M	M	M	P
	0.068	J	J	J	J	J	M		K	K	K	Z	M	M	M	P
	0.10	J	J	J	J	J	M		K	K	K	Z	M	M	M	P
	0.15	J	J	J	J	M	Z		K	K	P		M	M	M	P
	0.22	J	J	J	J	P	Z		K	K	P		M	M	M	P
	0.33	J	J	J	J	Q			K	M	X		M	M	M	P
	0.47	M	M	M	M	Q			K	P			M	M	M	P
	0.68	M	M	P	X	X			M	Q			M	P	M	P
	1.0	N	N	P	X	Z			M	X			M	P	M	P
	1.5	N	N	Z	Z	Z			Z	Z			M		M	X
	2.2	X	X	Z	Z	Z			Z	Z					M	
	3.3	X	X	Z	Z				Z							
	4.7	X	X	Z	Z				Z							
	10	Z	Z	Z												
	22	Z	Z													
	47															
	100															
	WVDC	10	16	25	50	100	200	500	50	100	200	500	50	100	50	100
SIZE		AU10							AU12				AU13		AU14	



* Contact factory

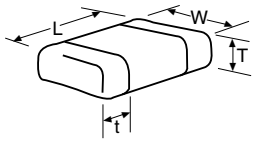
Letter	A	C	E	G	J	K	M	N	P	Q	X	Y	Z
Max. Thickness	0.33 (0.013)	0.56 (0.022)	0.71 (0.028)	0.90 (0.035)	0.94 (0.037)	1.02 (0.040)	1.27 (0.050)	1.40 (0.055)	1.52 (0.060)	1.78 (0.070)	2.29 (0.090)	2.54 (0.100)	2.79 (0.110)
	PAPER					EMBOSSED							

MLCC Gold Termination – AU Series

Capacitance Range (X5R Dielectric)

PREFERRED SIZES ARE SHADED

SIZE		AU01				AU02						AU03							AU05							AU06							AU10							AU12			
Soldering		Reflow/Epoxy/ Wire Bond*				Reflow/Epoxy/ Wire Bond*						Reflow/Epoxy/ Wire Bond*							Reflow/Epoxy/ Wire Bond*							Reflow/Epoxy/ Wire Bond*							Reflow/Epoxy/ Wire Bond*										
Packaging		All Paper				All Paper						All Paper							Paper/Embossed							Paper/Embossed							Paper/Embossed										
(L) Length	mm (in.)	0.60 ± 0.03 (0.024 ± 0.001)				1.00 ± 0.10 (0.040 ± 0.004)						1.60 ± 0.15 (0.063 ± 0.006)							2.01 ± 0.20 (0.079 ± 0.008)							3.20 ± 0.20 (0.126 ± 0.008)							3.20 ± 0.20 (0.126 ± 0.008)										
(W) Width	mm (in.)	0.30 ± 0.03 (0.011 ± 0.001)				0.50 ± 0.10 (0.020 ± 0.004)						0.81 ± 0.15 (0.032 ± 0.006)							1.25 ± 0.20 (0.049 ± 0.008)							1.60 ± 0.20 (0.063 ± 0.008)							2.50 ± 0.20 (0.098 ± 0.008)										
(t) Terminal	mm (in.)	0.15 ± 0.05 (0.006 ± 0.002)				0.25 ± 0.15 (0.010 ± 0.006)						0.35 ± 0.15 (0.014 ± 0.006)							0.50 ± 0.25 (0.020 ± 0.010)							0.50 ± 0.25 (0.020 ± 0.010)							0.50 ± 0.25 (0.020 ± 0.010)										
	WVDC	6.3	10	16	25	4	6.3	10	16	25	50	4	6.3	10	16	25	35	50	6.3	10	16	25	35	50	6.3	10	16	25	35	50	4	6.3	10	16	25	35	50	6.3	10	25	50
Cap (pF)	100	A	A	A	A																																				
	150	A	A	A	A																																				
	220	A	A	A	A						C																														
	330	A	A	A	A						C																														
	470	A	A	A	A						C																														
	680	A	A	A	A						C																														
	1000	A	A	A	A						C																														
	1500	A	A	A							C																														
	2200	A	A	A							C																														
	3300	A	A								C																														
	4700	A	A							C								G																							
	6800	A	A							C								G																							
Cap (µF)	0.010	A	A							C						G	G	G																							
	0.015	A								C						G	G	G																							
	0.022	A							C	C						G	G	G					N																	
	0.033	A							C							G	G	G					N																	
	0.047	A							C	C						G	G	G					N																	
	0.068								C							G		G					N																	
	0.10	A					C	C	C	C						G		G				N																		
	0.15															G						N	N																	
	0.22						C*								G	G						N	N						Q											
	0.33														G	G						N																		
	0.47					C*	C*								G							N						Q	Q										X	
	0.68														G							N																		
	1.0					C*	C*	C*					G	G	G	J*			N	N	N	N		P*				Q	Q						X	X	X			
	1.5																		N																					
	2.2					C*	C*					G*	G*	J*	J*				N	N	N	N					Q	Q						Z	X					
	3.3											J*	J*	J*	J*				N	N					Q	Q														
	4.7					E*						J*	J*	J*					N	N	N*	N*			Q	Q	Q	Q						Q	Z					
	10											K*	J*						P*	P*	P*	*			Q	Q	Q	Q*					X	Z	Z				Z		
	22																		P*	*					Q*	Q*	Q*					Z	Z	Z	Z					
	47																								Q*							Z*								
	100																														Z*	Z*								
	WVDC	6.3	10	16	25	4	6.3	10	16	25	50	4	6.3	10	16	25	35	50	6.3	10	16	25	35	50	6.3	10	16	25	35	50	4	6.3	10	16	25	35	50	6.3	10	25	50
SIZE		AU01				AU02						AU03							AU05							AU06							AU10							AU12			



* Contact factory

Letter	A	C	E	G	J	K	M	N	P	Q	X	Y	Z
Max. Thickness	0.33 (0.013)	0.56 (0.022)	0.71 (0.028)	0.90 (0.035)	0.94 (0.037)	1.02 (0.040)	1.27 (0.050)	1.40 (0.055)	1.52 (0.060)	1.78 (0.070)	2.29 (0.090)	2.54 (0.100)	2.79 (0.110)
	PAPER					EMBOSSED							

= Under Development

= *Optional Specifications – Contact factory

NOTE: Contact factory for non-specified capacitance values

MLCC Gold Termination – AU Series

0612/0508/0306/Gold LICC (Low Inductance Chip Capacitors)

SIZE		0306						0508					0612				
Packaging		Embossed						Embossed					Embossed				
Length	mm (in.)	0.81 ± 0.15 (0.032 ± 0.006)						1.27 ± 0.25 (0.050 ± 0.010)					1.60 ± 0.25 (0.063 ± 0.010)				
Width	mm (in.)	1.60 ± 0.15 (0.063 ± 0.006)						2.00 ± 0.25 (0.080 ± 0.010)					3.20 ± 0.25 (0.126 ± 0.010)				
WVDC		4	6.3	10	16	25	50	6.3	10	16	25	50	6.3	10	16	25	50
CAP (µF)	0.001																
	0.0022																
	0.0047																
	0.010																
	0.015																
	0.022																
	0.047																
	0.068																
	0.10																
	0.15																
	0.22																
	0.47																
	0.68																
	1.0																
	1.5																
	2.2																
	3.3																
	4.7																
	10																

Solid = X7R = X5R

= X7S = X6S

mm (in.)

0306	
Code	Thickness
A	0.61 (0.024)

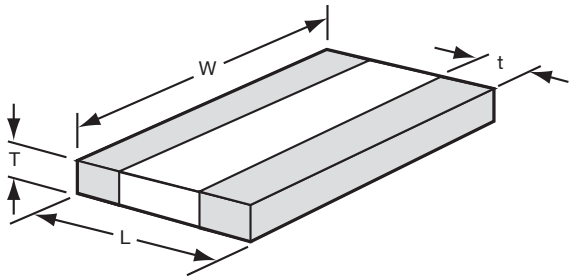
mm (in.)

0508	
Code	Thickness
S	0.56 (0.022)
V	0.76 (0.030)
A	1.02 (0.040)

mm (in.)

0612	
Code	Thickness
S	0.56 (0.022)
V	0.76 (0.030)
W	1.02 (0.040)
A	1.27 (0.050)

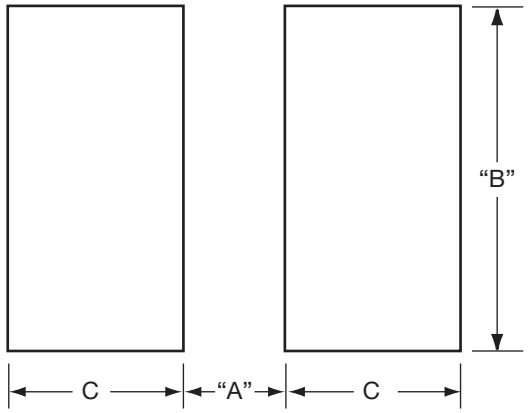
PHYSICAL DIMENSIONS AND PAD LAYOUT



PHYSICAL CHIP DIMENSIONS mm (in)

	L	W	t
0612	1.60 ± 0.25 (0.063 ± 0.010)	3.20 ± 0.25 (0.126 ± 0.010)	0.13 min. (0.005 min.)
0508	1.27 ± 0.25 (0.050 ± 0.010)	2.00 ± 0.25 (0.080 ± 0.010)	0.13 min. (0.005 min.)
0306	0.81 ± 0.15 (0.032 ± 0.006)	1.60 ± 0.15 (0.063 ± 0.006)	0.13 min. (0.005 min.)

T - See Range Chart for Thickness and Codes

PAD LAYOUT DIMENSIONS mm (in)

	A	B	C
0612	0.76 (0.030)	3.05 (0.120)	.635 (0.025)
0508	0.51 (0.020)	2.03 (0.080)	0.51 (0.020)
0306	0.31 (0.012)	1.52 (0.060)	0.51 (0.020)