



ROADMAP MLCC
2026

Case Size inch (mm)	Capacitance	100	200	300	390	470	560	680	750	820	910	101	151	201	221	271	301	331	391	471	561	681	821	102
	Voltage	10pF	20pF	33pF	39pF	47pF	56pF	68pF	75pF	82pF	91pF	100pF	150pF	200pF	220pF	270pF	300pF	330pF	390pF	470pF	560pF	680pF	820pF	1nF
0201 (0603)	16																							
	25																							
	50																							
	100																							
0402 (1005)	16																							
	25																							
	50																							
	250																							
0603 (1608)	50																							
	100																							
	250																							
0805 (2012)	50																							
	100																							
	250																							

Case Size inch (mm)	Capacitance	102	222	472	103	223	473	104	224	474	105	225	475	106	226	476	107	227
	Voltage	1nF	2.2nF	4.7nF	10nF	22nF	47nF	100nF	220nF	470nF	1µF	2.2µF	4.7µF	10µF	22µF	47µF	100 µF	220 µF
0201 (0603)	4																	
	6,3					X7T	X7T	X7T										
	10	X7R	X7R	X7R	X7R			X7S										
	16	X7R	X7R															
	25	X7R	X7R															
0402 (1005)	4									X7R		X5R	X5R					
	6,3							X7R	X7R	X7R	X7T	X7T	X5R					
	10						X7R	X7R	X7R	X5R	X7T	X5R						
	16				X7R	X7R	X7R	X7R	X7R	X6S	X5R							
	25			X7R	X7R	X7R	X7R	X7R	X5R	X5R								
	50	X7R	X7R	X7R	X7R	X7R	X7R	X7R										
	100	X7R	X7R	X7R	X7R													
0603 (1608)	4													X5R	X5R			
	6,3										X7R	X7R	X6S	X7T				
	10									X7R	X7R	X7T	X5R	X5R				
	16								X7R	X7R	X7R	X5R	X5R					
	25						X7R	X7R	X7R	X7R	X7R	X5R						
	35						X7R	X7R	X7R	X7R	X7R							
	50	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7S	X5R	X5R							
	100	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7S									
0805 (2012)	4														X7T	X6S		
	6,3												X7R	X7R	X7T			
	10											X7R	X7R	X7R				
	16										X7R	X7R	X7R	X5R				
	25									X7R	X7R	X7R	X7S	X5R				
	35										X7R	X5R						
	50				X7R	X7R	X7R	X7R	X7R	X7S	X7R							
	100						X7R	X7R	X7R	X7S	X7S							
	250	X7R	X7R	X7R	X7R	X7R	X7R	X7R										

Case Size inch (mm)	Capacitance	102	222	472	103	223	473	104	224	474	105	225	475	106	226	476	107	227
	Voltage	1nF	2.2nF	4.7nF	10nF	22nF	47nF	100nF	220nF	470nF	1µF	2.2µF	4.7µF	10µF	22µF	47µF	100 µF	220 µF
1206 (3216)	4														X7R	X7S	X5R	
	6,3														X7R	X5R	X5R	
	10													X7R	X7R			
	16												X7R	X7R	X5R			
	25												X7R	X7R				
	35											X7R	X7R	X7R				
	50										X7R	X7R	X7S					
	100								X7R	X7R	X7R	X7S						
	250					X7R	X7R	X7R										
	630	X7R	X7R	X7R	X7R	X7R	X7R											
1210 (3225)	4																X6S	
	6,3															X7R	X6S	
	10														X7R	X5R	X5R	
	16														X7R	X5R		
	25													X7R	X7R			
	35													X7R				
	50												X7R	X7R				
	100											X7R	X7S					
	250						X7R	X7R	X7R									
	630					X7R	X7R											
1812 (4532)	100																	
	250							X7R	X7R	X7R								
	630						X7R	X7R										
	1KV																	
	2KV																	

X = -55°C, 5 = +85°C, 6 = +105°C, 7 = +125°C – Capacitance variation within the specified temperature range: ±15% (R), ±22% (S), or +22% / -33% (T)

* Additional intermediate capacitance values available.

Case Size inch (mm)	Capacitance	102	222	472	103	223	473	104	224	474	105	225	475	106	226	476		
	Voltage	1nF	2.2nF	4.7nF	10nF	22nF	47nF	100nF	220nF	470nF	1µF	2.2µF	4.7µF	10µF	22µF	47µF	100µF	220µF
0603 (1608)	25						X7R	X7R	X7R	X7R	X7R							
	35						X7R	X7R	X7R	X7R	X7R							
	50	X7R	X7R	X7R	X7R	X7R	X7R	X7R										
	100	X7R	X7R	X7R	X7R	X7R	X7R	X7R										
0805 (2012)	6,3													X7R				
	10																	
	16											X7R	X7R					
	25											X7R						
	35										X7R							
	50				X7R	X7R	X7R	X7R	X7R	X7S	X7R							
	100	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7S	X7S							
	250	X7R	X7R	X7R	X7R	X7R												
1206 (3216)	10														X7R			
	16												X7R	X7R				
	25									X7R			X7R	X7R				
	35									X7R			X7R	X7R	X7R			
	50						X7R	X7R	X7R	X7R	X7R	X7R	X7S					
	100	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7S						
	250	X7R	X7R	X7R	X7R	X7R	X7R	X7R										
	630	X7R	X7R	X7R	X7R	X7R												
1210 (3225)	6,3															X7R		
	10																	
	16														X7R			
	25												X7R	X7R				
	35												X7R	X7R				
	50											X7R	X7R	X7R				
	100					X7R	X7R	X7R	X7R	X7R	X7R	X7S						
	250					X7R	X7R	X7R	X7R									
	630					X7R	X7R											

What's your mission?

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