

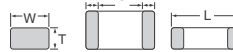
Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Murata Part No.			
							10	100	500		Qty.	Pricing				
1812	X5R	6.3	33µF	±10%	2.0	490-1919-1-ND	47.11	278.40	803.06	490-1919-2-ND	1,000	770.94	GRM43DR60J336KE01L			
			33µF	±20%	2.0	490-1920-1-ND	47.11	278.40	803.06	490-1920-2-ND	1,000	770.94	GRM43DR60J336ME01L			
			47µF	±10%	2.5	490-1921-1-ND	51.79	306.02	—	490-1921-2-ND	500	423.72	GRM43ER60J476KE01L			
			47µF	±20%	2.5	490-1922-1-ND	51.79	306.02	—	490-1922-2-ND	500	423.72	GRM43ER60J476ME01L			
			100µF	±20%	2.8	490-1923-1-ND	85.04	502.52	—	490-1923-2-ND	500	695.79	GRM43SR60J107ME20L			
			100µF	±20%	1.8	490-1924-1-ND	13.10	77.42	223.31	490-1924-2-ND	1,000	214.38	GRM43RF52A154ZD01L			
	Y5V	50	1.5µF	+80, -20%	1.8	490-1925-1-ND	61.27	362.05	1044.38	490-1925-2-ND	1,000	1002.60	GRM43FR51H155ZD01L			
			1.5µF	+80, -20%	1.8	490-1926-1-ND	77.02	455.13	1312.88	490-1926-2-ND	1,000	1260.36	GRM55N5C1H163JD01L			
2220	X7R	50	16000pF	±5%	1.35	490-1926-1-ND	95.99	567.19	1636.13	490-1927-2-ND	1,000	1570.68	GRM55R5C1H203JD01L			
			20000pF	±5%	1.8	490-1928-1-ND	112.18	662.87	1912.13	490-1928-2-ND	1,000	1835.64	GRM55R5C1H243JD01L			
			24000pF	±5%	1.8	490-1929-1-ND	123.99	732.68	2113.50	490-1929-2-ND	1,000	2028.96	GRM55R5C1H303JD01L			
			36000pF	±5%	1.8	490-1930-1-ND	136.39	805.94	2324.81	490-1930-2-ND	1,000	2231.82	GRM55R5C1H363JD01L			
			43000pF	±5%	2.0	490-1931-1-ND	140.38	829.53	2392.88	490-1931-2-ND	1,000	2297.16	GRM55R5C1H433JD01L			
			1,000	0.1µF	±10%	2.0	490-3505-1-ND	51.11	301.99	871.13	490-3505-2-ND	1,000	836.00	GRM55DR73A104KW01L		
			630	0.1µF	±10%	2.0	490-3519-1-ND	32.71	193.31	557.63	490-3519-2-ND	1,000	535.00	GRM55DR72J154KW01L		
				0.22µF	±10%	2.0	490-3520-1-ND	35.12	207.55	598.69	490-3520-2-ND	1,000	575.00	GRM55DR72J224KW01L		
			250	0.33µF	±10%	2.0	490-3546-1-ND	33.26	196.56	567.00	490-3546-2-ND	1,000	544.00	GRM55DR72E334KW01L		
				0.47µF	±10%	2.0	490-3548-1-ND	32.92	194.55	561.19	490-3548-2-ND	1,000	554.00	GRM55DR72E474KW01L		
			100	1.0µF	±10%	2.0	490-3550-1-ND	32.92	194.55	561.19	490-3550-2-ND	1,000	539.00	GRM55DR72E105KW01L		
				1.0µF	±20%	2.0	490-1932-1-ND	42.15	249.08	718.50	490-1932-2-ND	1,000	689.76	GRM55DR72A105KA01L		
				100	50	1.0µF	±20%	2.0	490-1933-1-ND	42.15	249.08	718.50	490-1933-2-ND	1,000	689.76	GRM55DR72A105MA01L
						4.7µF	±10%	2.5	490-1934-1-ND	74.54	440.44	—	490-1934-2-ND	500	609.84	GRM55ER72A475KA01L
			25	50	50	1.0µF	±10%	1.8	490-1936-1-ND	46.24	273.26	788.25	490-1936-2-ND	1,000	756.72	GRM55RR71H105KA01L
						1.0µF	±20%	1.8	490-1935-1-ND	46.24	273.26	788.25	490-1935-2-ND	1,000	756.72	GRM55RR71H105MA01L
						1.5µF	±10%	1.8	490-1938-1-ND	59.66	352.56	1017.00	490-1938-2-ND	1,000	976.32	GRM55RR71H155KA01L
						1.5µF	±20%	1.8	490-1937-1-ND	59.66	352.56	1017.00	490-1937-2-ND	1,000	976.32	GRM55RR71H155MA01L
						3.3µF	±10%	2.0	490-1939-1-ND	59.66	352.56	1017.00	490-1939-2-ND	1,000	976.32	GRM55DR71H335KA01L
						3.3µF	±20%	2.0	490-1940-1-ND	59.66	352.56	1017.00	490-1940-2-ND	1,000	976.32	GRM55DR71H335MA01L
						4.7µF	±10%	2.5	490-1941-1-ND	56.60	334.43	—	490-1941-2-ND	500	463.05	GRM55ER71H475KA01L
						4.7µF	±20%	2.5	490-1942-1-ND	57.76	341.32	—	490-1942-2-ND	500	472.59	GRM55ER71H475MA01L
						10µF	±10%	2.0	490-1943-1-ND	107.80	637.00	1837.50	490-1943-2-ND	1,000	1764.00	GRM55DR71E106KA01L
						10µF	±20%	2.0	490-1944-1-ND	107.80	637.00	1837.50	490-1944-2-ND	1,000	1764.00	GRM55DR71E106MA01L
15µF	±10%	2.5				490-1945-1-ND	53.82	318.05	—	490-1945-2-ND	500	440.37	GRM55ER71E156KA01L			
15µF	±20%	2.5				490-1946-1-ND	53.82	318.05	—	490-1946-2-ND	500	440.37	GRM55ER71E156MA01L			
X5R	6.3	100	100µF	±10%	3.2	490-1947-1-ND	133.00	785.92	—	490-1947-2-ND	300	652.91	GRM55FR60J107KA01L			
			47µF	+80, -20%	1.8	490-1948-1-ND	35.30	208.59	601.69	490-1948-2-ND	1,000	577.62	GRM55FR52A474ZD01L			
Y5V	100	50	68µF	+80, -20%	1.8	490-1949-1-ND	67.40	398.26	1148.81	490-1949-2-ND	1,000	1102.86	GRM55RF52A684ZD01L			
			3.3µF	+80, -20%	1.8	490-1950-1-ND	102.70	606.84	1750.50	490-1950-2-ND	1,000	1680.48	GRM55RF51H335ZD01L			
	50	50	4.7µF	+80, -20%	1.8	490-1951-1-ND	125.57	741.98	2140.31	490-1951-2-ND	1,000	2054.70	GRM55RF51H475ZD01L			

## NEW! Monolithic Ceramic Capacitors for Automotive

Features: • Meets AEC-Q200 requirements • Higher resistance of solder-leaching due to the Ni-barriered termination, applicable for reflow soldering and flow soldering (GCM18, 21 and 31 only)

Applications: Automotive electronic equipment power train, safety equipment

Operating Temperature Range: -55°C ~ 125°C



Size Code	Dimensions (mm)			
	L	W	E	G (min.)
0402	1.0	0.5	0.15 - 0.3	0.4
0603	1.6	0.8	0.2 - 0.5	0.5
0805	2.0	1.25	0.2 - 0.7	0.7
1206	3.2	1.6	0.3 - 0.8	1.5
1210	3.2	2.5	0.3	1.0

Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Murata Part No.		
							10	100	500		Qty.	Pricing			
0402	C0G	50	1pF	±25pF	0.5	490-4757-1-ND	.56	3.32	9.56	490-4757-2-ND	10,000	9.00/M	GCM1555C1H1R0CZ13D		
			10pF	±5%	0.5	490-4755-1-ND	.56	3.32	9.56	490-4755-2-ND	10,000	9.00/M	GCM1555C1H100JZ13D		
			100pF	±5%	0.5	490-4756-1-ND	.61	3.58	10.31	490-4756-2-ND	10,000	10.00/M	GCM1555C1H101JZ13D		
			470pF	±5%	0.5	490-4758-1-ND	.53	3.12	9.00	490-4758-2-ND	10,000	9.00/M	GCM1555C1H471JA16D		
	X7R	16	50	0.1µF	±10%	0.5	490-4759-1-ND	.41	2.41	6.94	490-4759-2-ND	10,000	7.00/M	GCM155R71C104KA55D	
				0.047µF	±10%	0.5	490-4760-1-ND	.52	3.06	8.81	490-4760-2-ND	10,000	8.00/M	GCM155R71E473KA55D	
				1000pF	±10%	0.5	490-4761-1-ND	.28	1.63	4.69	490-4761-2-ND	10,000	5.00/M	GCM155R71H102KA37D	
				0.01µF	±10%	0.5	490-4762-1-ND	.28	1.63	4.69	490-4762-2-ND	10,000	5.00/M	GCM155R71H103KA55D	
		100	50	0.022µF	±10%	0.5	490-4763-1-ND	.45	2.67	7.69	490-4763-2-ND	10,000	7.00/M	GCM155R71H223KA55D	
				1000pF	±10%	0.5	490-4764-1-ND	.37	2.21	6.38	490-4764-2-ND	10,000	6.00/M	GCM155R72A102KA37D	
				4700pF	±10%	0.5	490-4765-1-ND	.32	1.89	5.44	490-4765-2-ND	10,000	5.00/M	GCM155R72A472KA37D	
				1pF	±25pF	0.8	490-4769-1-ND	1.21	7.15	20.63	490-4769-2-ND	4,000	20.00/M	GCM1885C1H1R0CZ13D	
C0G	50	50	10pF	±5%	0.8	490-4766-1-ND	.53	3.12	9.00	490-4766-2-ND	4,000	9.00/M	GCM1885C1H100JA16D		
			100pF	±5%	0.8	490-4767-1-ND	.56	3.32	9.56	490-4767-2-ND	4,000	9.00/M	GCM1885C1H101JA16D		
			1000pF	±5%	0.8	490-4768-1-ND	.96	5.66	16.31	490-4768-2-ND	4,000	16.00/M	GCM1885C1H102JA16D		
			1pF	±0.25pF	0.8	490-4773-1-ND	2.29	13.52	39.00	490-4773-2-ND	4,000	37.00/M	GCM1885C2A1R0CZ13D		
0603	C0G	100	100pF	±5%	0.8	490-4770-1-ND	.67	3.97	11.44	490-4770-2-ND	4,000	11.00/M	GCM1885C2A100JA16D		
			1000pF	±5%	0.8	490-4771-1-ND	.64	3.77	10.88	490-4771-2-ND	4,000	10.00/M	GCM1885C2A101JA16D		
			10000pF	±5%	0.8	490-4772-1-ND	1.40	8.26	23.81	490-4772-2-ND	4,000	23.00/M	GCM1885C2A102JA16D		
			16	50	0.1µF	±10%	0.8	490-4774-1-ND	.47	2.80	8.06	490-4774-2-ND	4,000	8.00/M	GCM188R71C104KA37D
	0.47µF	±10%	0.8		490-4775-1-ND	1.30	7.67	22.13	490-4775-2-ND	4,000	21.00/M	GCM188R71C474KA55D			
	25	0.47µF	±10%		0.8	490-4776-1-ND	1.43	8.45	24.38	490-4776-2-ND	4,000	23.00/M	GCM188R71E474KA64D		
	50	1000pF	±10%		0.8	490-4777-1-ND	.37	2.21	6.38	490-4777-2-ND	4,000	6.00/M	GCM188R71H102KA37D		
	X7R	50	50	0.01µF	±10%	0.8	490-4778-1-ND	.37	2.21	6.38	490-4778-2-ND	4,000	6.00/M	GCM188R71H103KA37D	
				0.1µF	±10%	0.8	490-4779-1-ND	.64	3.77	10.88	490-4779-2-ND	4,000	10.00/M	GCM188R71H104KA57D	
				1000pF	±10%	0.8	490-4780-1-ND	.51	2.99	8.63	490-4780-2-ND	4,000	8.00/M	GCM188R72A102KA37D	
				100	0.01µF	±10%	0.8	490-4781-1-ND	.54	3.19	9.19	490-4781-2-ND	4,000	9.00/M	GCM188R72A103KA37D
		100	50	50	0.022µF	±10%	0.8	490-4782-1-ND	.81	4.81	13.88	490-4782-2-ND	4,000	13.00/M	GCM188R72A223KA37D
50					0.01µF	±5%	0.85	490-4783-1-ND	4.26	25.16	72.56	490-4783-2-ND	4,000	70.00/M	GCM2195C1H103JA16D
100					1500pF	±5%	0.85	490-4784-1-ND	1.62	9.56	27.56	490-4784-2-ND	4,000	26.00/M	GCM2195C2A152JA16D
16					2.2µF	±10%	1.25	490-4786-1-ND	3.62	21.39	61.69	490-4786-2-ND	3,000	59.00/M	GCM21BR71C225KA64L
X7R	25	50	1µF												