



Monolithic Ceramic Capacitors for Automotive GCM Series

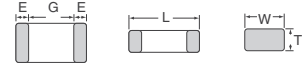


Features: • Meets AEC-Q200 requirements • Higher resistance of solder-leaching due to the Ni-barriered termination, applicable for reflow soldering and flow soldering (0603, 0805 and 1206 only)

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	±0.25pF	0.5	490-4757-1-ND	.45	2.66	7.66	490-4757-2-ND	10,000	7.63/M	GCM1555C1H1ROCZ13D	
	C0G	50	1.5pF	±0.25pF	0.5	490-4916-1-ND	.45	2.66	7.66	490-4916-2-ND	10,000	7.63/M	GCM1555C1H1R5CZ13D	
	C0G	50	2.2pF	±0.25pF	0.5	490-4917-1-ND	.45	2.66	7.66	490-4917-2-ND	10,000	7.63/M	GCM1555C1H2R2CZ13D	
	C0G	50	3.3pF	±0.25pF	0.5	490-4918-1-ND	.45	2.66	7.66	490-4918-2-ND	10,000	7.63/M	GCM1555C1H3R3CZ13D	
	C0G	50	4.7pF	±0.25pF	0.5	490-4919-1-ND	.45	2.66	7.66	490-4919-2-ND	10,000	7.63/M	GCM1555C1H4R7CZ13D	
	C0G	50	6.8pF	±0.5pF	0.5	490-4920-1-ND	.45	2.66	7.66	490-4920-2-ND	10,000	7.63/M	GCM1555C1H6R8DZ13D	
	C0G	50	10pF	±5%	0.5	490-4755-1-ND	.45	2.66	7.66	490-4755-2-ND	10,000	7.63/M	GCM1555C1H100JZ13D	
	C0G	50	15pF	±5%	0.5	490-4921-1-ND	.37	2.21	6.37	490-4921-2-ND	10,000	6.24/M	GCM1555C1H150JZ13D	
	C0G	50	22pF	±5%	0.5	490-4922-1-ND	.37	2.21	6.37	490-4922-2-ND	10,000	6.24/M	GCM1555C1H220JZ13D	
	C0G	50	33pF	±5%	0.5	490-4923-1-ND	.37	2.21	6.37	490-4923-2-ND	10,000	6.24/M	GCM1555C1H330JZ13D	
	C0G	50	47pF	±5%	0.5	490-4924-1-ND	.37	2.21	6.37	490-4924-2-ND	10,000	6.24/M	GCM1555C1H470JZ13D	
	C0G	50	68pF	±5%	0.5	490-4925-1-ND	.37	2.21	6.37	490-4925-2-ND	10,000	6.24/M	GCM1555C1H680JZ13D	
	C0G	50	100pF	±5%	0.5	490-4756-1-ND	.37	2.21	6.37	490-4756-2-ND	10,000	6.24/M	GCM1555C1H101JZ13D	
	C0G	50	150pF	±5%	0.5	490-4926-1-ND	.30	1.80	5.20	490-4926-2-ND	10,000	4.86/M	GCM1555C1H151JA16D	
	C0G	50	220pF	±5%	0.5	490-4927-1-ND	.35	2.07	5.98	490-4927-2-ND	10,000	5.55/M	GCM1555C1H221JA16D	
	C0G	50	330pF	±5%	0.5	490-4928-1-ND	.40	2.39	6.89	490-4928-2-ND	10,000	6.93/M	GCM1555C1H331JA16D	
	C0G	50	470pF	±5%	0.5	490-4758-1-ND	.41	2.43	8.52	490-4758-2-ND	10,000	6.93/M	GCM1555C1H471JA16D	
	X7R	16	0.1µF	±10%	0.5	490-4759-1-ND	.29	1.71	4.94	490-4759-2-ND	10,000	4.86/M	GCM155R71C104KA55D	
	X7R	25	0.047µF	±10%	0.5	490-4760-1-ND	.37	2.21	6.37	490-4760-2-ND	10,000	6.24/M	GCM155R71E473KA55D	
	X7R	50	220pF	±10%	0.5	490-4912-1-ND	.26	1.53	4.42	490-4912-2-ND	10,000	4.16/M	GCM155R71H221KA37D	
	X7R	50	470pF	±10%	0.5	490-4913-1-ND	.26	1.53	4.42	490-4913-2-ND	10,000	4.16/M	GCM155R71H471KA37D	
	X7R	50	1000pF	±10%	0.5	490-4761-1-ND	.21	1.26	3.64	490-4761-2-ND	10,000	3.47/M	GCM155R71H102KA37D	
	X7R	50	2200pF	±10%	0.5	490-4914-1-ND	.22	1.31	3.77	490-4914-2-ND	10,000	3.47/M	GCM155R71H222KA37D	
	X7R	50	4700pF	±10%	0.5	490-4915-1-ND	.19	1.13	3.25	490-4915-2-ND	10,000	3.47/M	GCM155R71H472KA37D	
	X7R	50	0.01µF	±10%	0.5	490-4762-1-ND	.21	1.26	3.64	490-4762-2-ND	10,000	3.47/M	GCM155R71H103KA55D	
	X7R	50	0.022µF	±10%	0.5	490-4763-1-ND	.33	1.98	5.72	490-4763-2-ND	10,000	5.55/M	GCM155R71H223KA55D	
	X7R	100	220pF	±10%	0.5	490-4909-1-ND	.29	1.71	4.94	490-4909-2-ND	10,000	4.86/M	GCM155R72A221KA37D	
	X7R	100	470pF	±10%	0.5	490-4910-1-ND	.29	1.71	4.94	490-4910-2-ND	10,000	4.86/M	GCM155R72A471KA37D	
	X7R	100	1000pF	±10%	0.5	490-4764-1-ND	.29	1.71	4.94	490-4764-2-ND	10,000	4.86/M	GCM155R72A102KA37D	
	X7R	100	2200pF	±10%	0.5	490-4911-1-ND	.25	1.49	4.29	490-4911-2-ND	10,000	4.16/M	GCM155R72A222KA37D	
	X7R	100	4700pF	±10%	0.5	490-4765-1-ND	.25	1.49	4.29	490-4765-2-ND	10,000	4.16/M	GCM155R72A472KA37D	
	0603	C0G	50	1pF	±0.25pF	0.8	490-4769-1-ND	.98	5.77	16.63	490-4769-2-ND	4,000	15.94/M	GCM1885C1H1ROCZ13D
		C0G	50	1.5pF	±0.25pF	0.8	490-4952-1-ND	.98	5.77	16.63	490-4952-2-ND	4,000	15.94/M	GCM1885C1H1R5CZ13D
		C0G	50	2.2pF	±0.25pF	0.8	490-4953-1-ND	.98	5.77	16.63	490-4953-2-ND	4,000	15.94/M	GCM1885C1H2R2CZ13D
		C0G	50	3.3pF	±0.25pF	0.8	490-4954-1-ND	.98	5.77	16.63	490-4954-2-ND	4,000	15.94/M	GCM1885C1H3R3CZ13D
		C0G	50	4.7pF	±0.25pF	0.8	490-4955-1-ND	.98	5.77	16.63	490-4955-2-ND	4,000	15.94/M	GCM1885C1H4R7CZ13D
		C0G	50	6.8pF	±0.5pF	0.8	490-4956-1-ND	.98	5.77	16.63	490-4956-2-ND	4,000	15.94/M	GCM1885C1H6R8DZ13D
		C0G	50	10pF	±5%	0.8	490-4766-1-ND	.39	2.30	8.04	490-4766-2-ND	4,000	6.24/M	GCM1885C1H100JA16D
		C0G	50	15pF	±5%	0.8	490-4957-1-ND	.39	2.30	6.63	490-4957-2-ND	4,000	6.24/M	GCM1885C1H150JA16D
		C0G	50	22pF	±5%	0.8	490-4958-1-ND	.43	2.52	7.28	490-4958-2-ND	4,000	6.93/M	GCM1885C1H220JA16D
C0G		50	33pF	±5%	0.8	490-4959-1-ND	.43	2.52	7.28	490-4959-2-ND	4,000	6.93/M	GCM1885C1H330JA16D	
C0G		50	47pF	±5%	0.8	490-4960-1-ND	.43	2.52	7.28	490-4960-2-ND	4,000	6.93/M	GCM1885C1H470JA16D	
C0G		50	68pF	±5%	0.8	490-4961-1-ND	.43	2.52	7.28	490-4961-2-ND	4,000	6.93/M	GCM1885C1H680JA16D	
C0G		50	100pF	±5%	0.8	490-4767-1-ND	.43	2.52	7.28	490-4767-2-ND	4,000	6.93/M	GCM1885C1H101JA16D	
C0G		50	150pF	±5%	0.8	490-4962-1-ND	.52	3.06	8.84	490-4962-2-ND	4,000	8.32/M	GCM1885C1H151JA16D	
C0G		50	220pF	±5%	0.8	490-4963-1-ND	.55	3.29	9.49	490-4963-2-ND	4,000	9.01/M	GCM1885C1H221JA16D	
C0G		50	330pF	±5%	0.8	490-4964-1-ND	.54	3.20	9.22	490-4964-2-ND	4,000	9.01/M	GCM1885C1H331JA16D	
C0G		50	470pF	±5%	0.8	490-4965-1-ND	.53	3.15	9.10	490-4965-2-ND	4,000	9.01/M	GCM1885C1H471JA16D	
C0G		50	680pF	±5%	0.8	490-4966-1-ND	.77	4.55	13.13	490-4966-2-ND	4,000	12.48/M	GCM1885C1H681JA16D	
C0G		50	1000pF	±5%	0.8	490-4768-1-ND	.51	2.97	8.58	490-4768-2-ND	4,000	8.32/M	GCM1885C1H102JA16D	
C0G		50	1500pF	±5%	0.8	490-4967-1-ND	.63	3.74	10.78	490-4967-2-ND	4,000	10.40/M	GCM1885C1H152JA16D	
C0G		50	2200pF	±5%	0.8	490-4968-1-ND	.67	3.96	11.43	490-4968-2-ND	4,000	11.09/M	GCM1885C1H222JA16D	
C0G		50	3300pF	±5%	0.8	490-5315-1-ND	1.07	6.35	18.32	490-5315-2-ND	4,000	17.33/M	GCM1885C1H332JA16D	
C0G		100	1pF	±0.25pF	0.8	490-4773-1-ND	1.82	10.77	31.05	490-4773-2-ND	4,000	29.80/M	GCM1885C2A1ROCZ13D	
C0G		100	1.5pF	±0.25pF	0.8	490-4936-1-ND	1.82	10.77	31.05	490-4936-2-ND	4,000	29.80/M	GCM1885C2A1R5CZ13D	
C0G		100	2.2pF	±0.25pF	0.8	490-4937-1-ND	1.82	10.77	31.05	490-4937-2-ND	4,000	29.80/M	GCM1885C2A2R2CZ13D	
C0G		100	3.3pF	±0.25pF	0.8	490-4938-1-ND	1.82	10.77	31.05	490-4938-2-ND	4,000	29.80/M	GCM1885C2A3R3CZ13D	
C0G		100	4.7pF	±0.25pF	0.8	490-4939-1-ND	1.82	10.77	31.05	490-4939-2-ND	4,000	29.80/M	GCM1885C2A4R7CZ13D	
C0G		100	6.8pF	±0.5pF	0.8	490-4940-1-ND	1.82	10.77	31.05	490-4940-2-ND	4,000	29.80/M	GCM1885C2A6R8DZ13D	
C0G		100	10pF	±5%	0.8	490-4770-1-ND	.54	3.20	9.22	490-4770-2-ND	4,000	9.01/M	GCM1885C2A100JA16D	
C0G		100	15pF	±5%	0.8	490-4941-1-ND	.52	3.06	8.84	490-4941-2-ND	4,000	8.32/M	GCM1885C2A150JA16D	
C0G		100	22pF	±5%	0.8	490-4942-1-ND	.52	3.06	8.84	490-4942-2-ND	4,000	8.32/M	GCM1885C2A220JA16D	
C0G		100	33pF	±5%	0.8	490-4943-1-ND	.49	2.88	8.32	490-4943-2-ND	4,000	8.32/M	GCM1885C2A330JA16D	
C0G		100	47pF	±5%	0.8	490-4944-1-ND	.52	3.06	8.84	490-4944-2-ND	4,000	8.32/M	GCM1885C2A470JA16D	
C0G		100	68pF	±5%	0.8	490-4945-1-ND	.52	3.06	8.84	490-4945-2-ND	4,000	8.32/M	GCM1885C2A680JA16D	
C0G		100	100pF	±5%	0.8	490-4771-1-ND	.52	3.06	8.84	490-4771-2-ND	4,000	8.32/M	GCM1885C2A101JA16D	
C0G		100	150pF	±5%	0.8	490-4946-1-ND	.55	3.29	11.51	490-4946-2-ND	4,000	9.01/M	GCM1885C2A151JA16D	
C0G		100	220pF	±5%	0.8	490-4947-1-ND	.73	4.28	12.34	490-4947-2-ND	4,000	11.78/M	GCM1885C2A221JA16D	
C0G		100	330pF	±5%	0.8	490-4948-1-ND	.78	4.64	13.38	490-4948-2-ND	4,000	13.17/M	GCM1885C2A331JA16D	
C0G		100	470pF	±5%	0.8	490-4949-1-ND	.88	5.18	14.					