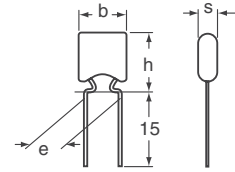




Multilayer Ceramic Capacitors



COG

Features: • Good thermal stability • High insulation resistance • Low dissipation factor • Low inductance
Applications: • Resonant circuits • Timing elements • Coupling and filtering, particularly in RF circuits
Electrical Data: • Dielectric: Class 1 • Operating temperature range: -55°C – 125°C

X7R

Features: • High volumetric efficiency • Non-linear capacitance change • High insulation resistance • High pulse strength
Applications: • Blocking • Coupling • Interference suppression
Electrical Data: • Standard: EIA • Dielectric: Class 2 • Operating temperature range: -55°C – 125°C

Z5U (Y5U)

Features: • Extremely high volumetric efficiency • Non-linear capacitance change • Y5U characteristic is also fulfilled
Applications: • Blocking • Coupling • Decoupling • Interference suppression
Electrical Data: • Standard: EIA • Dielectric: Class 2 • Operating temperature range: -30°C – 85°C

F

Type/ Tol.	VDC	Cap.	Dimensions (mm)				Digi-Key Part No.	Bulk Pricing			Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Ammo Pack	
			h	b	s	e		1	10	100		10	100	1,000		Qty.	Pricing
COG 5%	100	10pF	5.5	5.0	2.5	2.5	P4837-ND	23	1.58	11.17	495-1000-1-ND	1.47	11.21	77.63	495-1000-3-ND	2,500	52.00/M
	100	10pF	5.5	5.0	2.5	5.0	495-3266-ND	23	1.58	11.17	495-3267-1-ND	1.47	11.21	77.63	495-3267-2-ND	2,500	55.00/M
	100	10pF	5.5	5.0	2.5	2.5	—	—	—	—	495-3292-1-ND	1.47	11.21	77.63	495-3292-2-ND	2,500	55.00/M
	100	15pF	5.5	5.0	2.5	2.5	P4839-ND	23	1.58	11.17	—	—	—	—	—	—	
	100	15pF	5.5	5.0	2.5	2.5	—	—	—	—	495-3296-1-ND	1.47	11.21	77.63	495-3296-2-ND	2,500	55.00/M
	100	18pF	5.5	5.0	2.5	2.5	P4840-ND	23	1.58	11.17	—	—	—	—	—	—	
	100	18pF	5.5	5.0	2.5	2.5	—	—	—	—	495-3297-1-ND	1.47	11.21	77.63	495-3297-2-ND	2,500	55.00/M
	100	22pF	5.5	5.0	2.5	2.5	P4841-ND	23	1.58	11.17	495-1004-1-ND	1.47	11.21	77.63	495-1004-3-ND	2,500	52.00/M
	100	22pF	5.5	5.0	2.5	5.0	495-3271-ND	23	1.58	11.17	495-3272-1-ND	1.47	11.21	77.63	495-3272-2-ND	2,500	55.00/M
	100	22pF	5.5	5.0	2.5	2.5	—	—	—	—	495-3298-1-ND	1.47	11.21	77.63	495-3298-2-ND	2,500	55.00/M
	100	22pF	5.5	5.0	2.5	2.5	—	—	—	—	495-3299-1-ND	1.47	11.21	77.63	495-3299-2-ND	2,500	55.00/M
	100	27pF	5.5	5.0	2.5	2.5	P4842-ND	23	1.58	11.17	—	—	—	—	—	—	
	100	27pF	5.5	5.0	2.5	2.5	—	—	—	—	495-3302-1-ND	1.47	11.21	77.63	495-3302-2-ND	2,500	55.00/M
	100	27pF	5.5	5.0	2.5	2.5	—	—	—	—	495-1004-1-ND	1.47	11.21	77.63	495-1004-3-ND	2,500	52.00/M
	100	33pF	5.5	5.0	2.5	2.5	P4843-ND	23	1.58	11.17	495-3272-1-ND	1.47	11.21	77.63	495-3272-2-ND	2,500	55.00/M
	100	33pF	5.5	5.0	2.5	5.0	495-3274-ND	23	1.58	11.17	495-3298-1-ND	1.47	11.21	77.63	495-3298-2-ND	2,500	55.00/M
	100	33pF	5.5	5.0	2.5	2.5	—	—	—	—	495-3275-1-ND	1.47	11.21	77.63	495-3275-2-ND	2,500	55.00/M
	100	33pF	5.5	5.0	2.5	2.5	—	—	—	—	495-3303-1-ND	1.47	11.21	77.63	495-3303-2-ND	2,500	55.00/M
	100	33pF	5.5	5.0	2.5	2.5	—	—	—	—	495-3304-1-ND	1.47	11.21	77.63	495-3304-2-ND	2,500	55.00/M
	100	47pF	5.5	5.0	2.5	2.5	P4845-ND	19	1.32	9.30	495-1008-1-ND	1.47	11.21	77.63	495-1008-3-ND	2,500	52.00/M
	100	47pF	5.5	5.0	2.5	5.0	495-3277-ND	20	1.37	9.68	495-3278-1-ND	1.47	11.21	77.63	495-3278-2-ND	2,500	55.00/M
	100	47pF	5.5	5.0	2.5	2.5	—	—	—	—	495-3307-1-ND	1.23	9.39	65.03	495-3307-2-ND	2,500	46.00/M
	100	68pF	5.5	5.0	2.5	2.5	P4847-ND	23	1.58	11.17	—	—	—	—	—	—	
	100	68pF	5.5	5.0	2.5	2.5	—	—	—	—	495-3310-1-ND	1.47	11.21	77.63	495-3310-2-ND	2,500	55.00/M
	100	100pF	5.5	5.0	2.5	2.5	P4849-ND	23	1.58	11.17	—	—	—	—	—	—	
	100	100pF	5.5	5.0	2.5	5.0	495-3268-ND	23	1.58	11.17	495-3269-1-ND	1.47	11.21	77.63	495-3269-2-ND	2,500	55.00/M
	100	100pF	5.5	5.0	2.5	2.5	—	—	—	—	495-3293-1-ND	1.47	11.21	77.63	495-3293-2-ND	2,500	55.00/M
	100	220pF	5.5	5.0	2.5	5.0	—	—	—	—	495-1014-1-ND	1.80	13.75	95.18	495-1014-3-ND	2,500	63.00/M
	100	220pF	5.5	5.0	2.5	5.0	—	—	—	—	495-3273-1-ND	1.80	13.75	95.18	495-3273-2-ND	2,500	68.00/M
	100	220pF	5.5	5.0	2.5	2.5	495-3300-ND	29	1.94	13.67	495-3301-1-ND	1.80	13.75	95.18	495-3301-2-ND	2,500	68.00/M
	100	330pF	5.5	5.0	2.5	5.0	—	—	—	—	495-1016-1-ND	1.80	13.75	95.18	—	—	
	100	330pF	5.5	5.0	2.5	5.0	—	—	—	—	495-3276-1-ND	1.80	13.75	95.18	495-3276-2-ND	2,500	68.00/M
	100	330pF	5.5	5.0	2.5	2.5	495-3305-ND	28	1.93	13.59	495-3306-1-ND	1.80	13.75	95.18	495-3306-2-ND	2,500	68.00/M
	100	470pF	5.5	5.0	2.5	5.0	—	—	—	—	495-1017-1-ND	1.80	13.75	95.18	495-1017-3-ND	2,500	63.00/M
	100	470pF	5.5	5.0	2.5	5.0	—	—	—	—	495-3279-1-ND	1.80	13.75	95.18	495-3279-2-ND	2,500	68.00/M
	100	470pF	5.5	5.0	2.5	2.5	495-3308-ND	28	1.93	13.59	495-3309-1-ND	1.80	13.75	95.18	495-3309-2-ND	2,500	68.00/M
	100	680pF	5.5	5.0	2.5	5.0	P4859-ND	23	1.73	12.35	—	—	—	—	—	—	
	100	680pF	5.5	5.0	2.5	5.0	—	—	—	—	495-3280-1-ND	1.80	13.75	95.18	495-3280-2-ND	2,500	68.00/M
	100	1000pF	5.5	5.0	2.5	5.0	—	—	—	—	495-3270-1-ND	2.41	18.43	127.58	495-3270-2-ND	2,500	91.00/M
	100	1000pF	5.5	5.0	2.5	2.5	495-3294-ND	38	2.60	18.34	495-3295-1-ND	2.41	18.43	127.58	495-3295-2-ND	2,500	91.00/M
	100	2200pF	6.5	5.0	2.5	5.0	—	—	—	—	495-1024-1-ND	4.06	31.07	215.10	495-1024-3-ND	2,500	143.00/M
	100	2200pF	6.5	5.0	2.5	5.0	—	—	—	—	495-3369-1-ND	4.06	31.07	215.10	495-3369-2-ND	2,500	153.00/M
	50	100pF	5.5	5.0	2.5	2.5	P4925-ND	28	1.93	13.59	495-1025-1-ND	1.80	13.75	95.18	495-1025-3-ND	2,500	63.00/M
	50	100pF	5.5	5.0	2.5	5.0	495-3281-ND	28	1.93	13.59	495-3282-1-ND	1.80	13.75	95.18	495-3282-2-ND	2,500	68.00/M
	50	100pF	5.5	5.0	2.5	2.5	—	—	—	—	495-3311-1-ND	1.80	13.75	95.18	495-3311-2-ND	2,500	68.00/M
	50	220pF	5.5	5.0	2.5	2.5	—	—	—	—	495-1029-1-ND	1.80	13.75	95.18	495-1029-3-ND	2,500	63.00/M
	50	220pF	5.5	5.0	2.5	5.0	495-3284-ND	28	1.93	13.59	495-3285-1-ND	1.80	13.75	95.18	495-3285-2-ND	2,500	68.00/M
	50	220pF	5.5	5.0	2.5	2.5	—	—	—	—	495-3314-1-ND	1.80	13.75	95.18	495-3314-2-ND	2,500	68.00/M
	50	330pF	5.5	5.0	2.5	5.0	495-3287-ND	28	1.93	13.59	495-3288-1-ND	1.80	13.75	95.18	495-3288-2-ND	2,500	68.00/M
	50	470pF	5.5	5.0	2.5	2.5	—	—	—	—	495-1032-1-ND	1.80	13.75	95.18	495-1032-3-ND	2,500	63.00/M
	50	470pF	5.5	5.0	2.5	5.0	495-3289-ND	28	1.93	13.59	495-3290-1-ND	1.80	13.75	95.18	495-3290-2-ND	2,500	68.00/M
	50	470pF	5.5	5.0	2.5	2.5	—	—	—	—	495-3317-1-ND	1.80	13.75	95.18	495-3317-2-ND	2,500	68.00/M
	50	680pF	5.5	5.0	2.5	5.0	—	—	—	—	495-1034-1-ND	2.48	18.95	131.18	—	—	
	50	820pF	5.5	5.0	2.5	5.0	—	—	—	—	495-1035-1-ND	1.70	13.00	90.00	495-1035-3-ND	2,500	60.00/M
	50	820pF	5.5	5.0	2.5	5.0	—	—	—	—	495-3291-1-ND	1.70	13.00	90.00	495-3291-2-ND	2,500	64.00/M
	50	1000pF	5.5	5.0	2.5	5.0	P4937-ND	25	1.88	13.40	495-1036-1-ND	1.94	14.82	102.60	495-1036-3-ND	2,500	68.00/M
	50	1000pF	5.5	5.0	2.5	5.0	—	—	—	—	495-3283-1-ND	1.94	14.82	102.60	495-3283-2-ND	2,500	73.00/M
	50	1000pF	5.5	5.0	2.5	2.5	495-3312-ND	31	2.09	14.74	495-3313-1-ND	1.94	14.82	102.60	495-3313-2-ND	2,500	73.00/M
	50	2200pF	5.5	5.0	2.5	5.0	P4941-ND	35	2.59	18.53	—	—	—	—	—	—	
	50	2200pF	5.5	5.0	2.5	5.0	—	—	—	—	495-3286-1-ND	2.69	20.57	142.43	495-3286-2-ND	2,500	101.00/M
	50	2200pF	5.5	5.0	2.5	2.5	495-3315-ND	43	2.91	20.49	495-3316-1-ND	2.69	20.57	142.43	495-3316-2-ND	2,500	101.00/M
	50	3300pF	6.5	5.0	2.5	5.0	P4943-ND	42	3.12	22.91	495-1042-1-ND	3.54	27.07	187.43	495-1042-3-ND	2,500	125.00/M
	50	3300pF	6.5	5.0	2.5	5.0	—	—	—	—	495-3371-1-ND						



Multilayer Ceramic Capacitors (Cont.)

Table with columns: Type/Tol., VDC, Cap., Dimensions (mm) h b s e, Digi-Key Part No., Bulk Pricing 1 10 100, Digi-Key Part No., Cut Tape Pricing 10 100 1,000, Digi-Key Part No., Ammo Pack Qty. Pricing. Includes rows for 100%, 50%, and Z5U series.

F

• RoHS Compliant † Bulk parts have 30mm lead length ‡ Tape and Reel § 20% tolerance Δ 10% tolerance

More Product Available Online: www.digikey.com

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