



Monolithic Ceramic Capacitors



RPE Series

Features:

- Small size and large capacitance
- Low ESR characteristics for high frequency
- Coated with epoxy resin whose flammability is equivalent to UL 94V-0

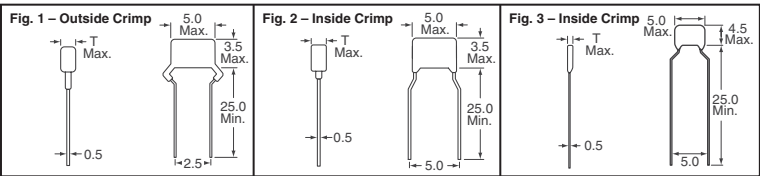


Fig.	Type	VV Vdc	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Murata Part No.	Pricing 10 100
COG	100	1.0pF	±0.25pF	2.5	490-3617-ND	.35	2.58 18.43	RPE5C2A1R0C2P1B03B
COG	100	1.2pF	±0.25pF	2.5	490-3618-ND	.37	2.75 19.68	RPE5C2A1R2C2P1B03B
COG	100	1.5pF	±0.25pF	2.5	490-3619-ND	.33	2.46 17.55	RPE5C2A1R5C2P1B03B
COG	100	1.8pF	±0.25pF	2.5	490-3620-ND	.31	2.30 16.45	RPE5C2A1R8C2P1B03B
COG	100	2.0pF	±0.25pF	2.5	490-3633-ND	.35	2.58 18.43	RPE5C2A2R0C2P1B03B
COG	100	2.2pF	±0.25pF	2.5	490-3634-ND	.33	2.46 17.55	RPE5C2A2R2C2P1B03B
COG	100	2.7pF	±0.25pF	2.5	490-3635-ND	.31	2.28 16.30	RPE5C2A2R7C2P1B03B
COG	100	3.0pF	±0.25pF	2.5	490-3643-ND	.35	2.58 18.43	RPE5C2A3R0C2P1B03B
COG	100	3.3pF	±0.25pF	2.5	490-3644-ND	.31	2.28 16.30	RPE5C2A3R3C2P1B03B
COG	100	3.6pF	±0.25pF	2.5	490-3645-ND	.31	2.28 16.30	RPE5C2A3R6C2P1B03B
COG	100	3.9pF	±0.25pF	2.5	490-3646-ND	.31	2.30 16.45	RPE5C2A3R9C2P1B03B
COG	100	4.7pF	±0.25pF	2.5	490-3653-ND	.33	2.46 17.55	RPE5C2A4R7C2P1B03B
COG	100	5.0pF	±0.25pF	2.5	490-3658-ND	.35	2.58 18.43	RPE5C2A5R0C2P1B03B
COG	100	5.6pF	±0.25pF	2.5	490-3659-ND	.40	2.98 21.25	RPE5C2A5R6C2P1B03B
COG	100	6.2pF	±0.25pF	2.5	490-3662-ND	.37	2.71 19.38	RPE5C2A6R2C2P1B03B
COG	100	6.8pF	±0.25pF	2.5	490-3663-ND	.37	2.71 19.38	RPE5C2A6R8C2P1B03B
COG	100	10pF	±5%	2.5	490-3623-ND	.35	2.58 18.43	RPE5C2A10J2P1Z03B
COG	100	11pF	±5%	2.5	490-3624-ND	.31	2.30 16.45	RPE5C2A11J2P1Z03B
COG	100	12pF	±5%	2.5	490-3625-ND	.35	2.58 18.43	RPE5C2A12J2P1Z03B
COG	100	13pF	±5%	2.5	490-3627-ND	.31	2.30 16.45	RPE5C2A13J2P1Z03B
COG	100	15pF	±5%	2.5	490-3629-ND	.35	2.58 18.43	RPE5C2A15J2P1Z03B
COG	100	16pF	±5%	2.5	490-3630-ND	.31	2.30 16.45	RPE5C2A16J2P1Z03B
COG	100	18pF	±5%	2.5	490-3632-ND	.35	2.58 18.43	RPE5C2A18J2P1Z03B
COG	100	20pF	±5%	2.5	490-3637-ND	.34	2.52 18.03	RPE5C2A20J2P1Z03B
COG	100	22pF	±5%	2.5	490-3639-ND	.35	2.58 18.43	RPE5C2A22J2P1Z03B
COG	100	24pF	±5%	2.5	490-3640-ND	.31	2.30 16.45	RPE5C2A24J2P1Z03B
COG	100	27pF	±5%	2.5	490-3642-ND	.35	2.58 18.43	RPE5C2A27J2P1Z03B
COG	100	30pF	±5%	2.5	490-3648-ND	.37	2.70 19.25	RPE5C2A30J2P1Z03B
COG	100	33pF	±5%	2.5	490-3650-ND	.35	2.58 18.43	RPE5C2A33J2P1Z03B
COG	100	39pF	±5%	2.5	490-3652-ND	.35	2.58 18.43	RPE5C2A39J2P1Z03B
COG	100	43pF	±5%	2.5	490-3655-ND	.31	2.30 16.45	RPE5C2A43J2P1Z03B
COG	100	47pF	±5%	2.5	490-3657-ND	.35	2.58 18.43	RPE5C2A47J2P1Z03B
COG	100	56pF	±5%	2.5	490-3661-ND	.35	2.58 18.43	RPE5C2A56J2P1Z03B
COG	100	75pF	±5%	2.5	490-3666-ND	.31	2.30 16.45	RPE5C2A75J2P1Z03B
COG	100	82pF	±5%	2.5	490-3668-ND	.35	2.58 18.43	RPE5C2A82J2P1Z03B
COG	100	91pF	±5%	2.5	490-3669-ND	.37	2.75 19.68	RPE5C2A91J2P1Z03B
COG	100	100pF	±5%	2.5	490-3622-ND	.35	2.58 18.43	RPE5C2A10J2P1Z03B
COG	100	120pF	±5%	2.5	490-3625-ND	.31	2.30 16.45	RPE5C2A12J2P1Z03B
COG	100	150pF	±5%	2.5	490-3628-ND	.33	2.46 17.55	RPE5C2A15J2P1Z03B
COG	100	180pF	±5%	2.5	490-3631-ND	.37	2.75 19.68	RPE5C2A18J2P1Z03B
COG	100	200pF	±5%	2.5	490-3636-ND	.37	2.75 19.68	RPE5C2A20J2P1Z03B
COG	100	220pF	±5%	2.5	490-3638-ND	.31	2.30 16.45	RPE5C2A22J2P1Z03B
COG	100	270pF	±5%	2.5	490-3641-ND	.37	2.70 19.25	RPE5C2A27J2P1Z03B
COG	100	300pF	±5%	2.5	490-3647-ND	.32	2.38 17.03	RPE5C2A30J2P1Z03B
COG	100	330pF	±5%	2.5	490-3649-ND	.37	2.71 19.38	RPE5C2A33J2P1Z03B
COG	100	390pF	±5%	2.5	490-3651-ND	.38	2.81 20.08	RPE5C2A39J2P1Z03B
COG	100	430pF	±5%	2.5	490-3654-ND	.34	2.51 17.93	RPE5C2A43J2P1Z03B
COG	100	470pF	±5%	2.5	490-3656-ND	.33	2.45 17.50	RPE5C2A47J2P1Z03B
COG	100	560pF	±5%	2.5	490-3660-ND	.38	2.81 20.08	RPE5C2A56J2P1Z03B
COG	100	680pF	±5%	2.5	490-3664-ND	.30	2.24 15.98	RPE5C2A68J2P1Z03B
COG	100	750pF	±5%	2.5	490-3665-ND	.38	2.81 20.08	RPE5C2A75J2P1Z03B
COG	100	820pF	±5%	3.15	490-3667-ND	.43	3.14 22.45	RPE5C2A82J2P1Z03B
COG	100	1000pF	±5%	3.15	490-3621-ND	.50	3.71 26.50	RPE5C2A10J2P1Z03B
COG	50	1.0pF	±0.25pF	2.5	490-3670-ND	.34	2.51 17.90	RPE5C1H1R0C2P1B03B
COG	50	1.2pF	±0.25pF	2.5	490-3671-ND	.36	2.62 18.70	RPE5C1H1R2C2P1B03B
COG	50	2.0pF	±0.25pF	2.5	490-3700-ND	.34	2.51 17.90	RPE5C1H2R0C2P1B03B
COG	50	2.7pF	±0.25pF	2.5	490-3702-ND	.30	2.24 15.98	RPE5C1H2R7C2P1B03B
COG	50	3.0pF	±0.25pF	2.5	490-3717-ND	.34	2.51 17.90	RPE5C1H3R0C2P1B03B
COG	50	3.3pF	±0.25pF	2.5	490-3718-ND	.30	2.24 15.98	RPE5C1H3R3C2P1B03B
COG	50	3.9pF	±0.25pF	2.5	490-3719-ND	.28	2.06 14.73	RPE5C1H3R9C2P1B03B
COG	50	4.0pF	±0.25pF	2.5	490-3734-ND	.34	2.51 17.90	RPE5C1H4R0C2P1B03B
COG	50	4.7pF	±0.25pF	2.5	490-3735-ND	.33	2.45 17.93	RPE5C1H4R7C2P1B03B
COG	50	5.1pF	±0.25pF	2.5	490-3743-ND	.35	2.60 18.68	RPE5C1H5R1C2P1B03B
COG	50	5.0pF	±0.5pF	2.5	490-3752-ND	.34	2.51 17.90	RPE5C1H6R0D2P1B03B
COG	50	6.8pF	±0.25pF	2.5	490-3753-ND	.35	2.60 18.58	RPE5C1H6R8C2P1B03B
COG	50	7.0pF	±0.5pF	2.5	490-3760-ND	.34	2.51 17.90	RPE5C1H7R0D2P1Z03B
COG	50	8.0pF	±0.5pF	2.5	490-3763-ND	.34	2.51 17.90	RPE5C1H8R0D2P1Z03B
COG	50	8.2pF	±0.25pF	2.5	490-3764-ND	.42	3.07 21.93	RPE5C1H8R2C2P1Z03B
COG	50	9.0pF	±0.5pF	2.5	490-3771-ND	.34	2.51 17.90	RPE5C1H9R0D2P1Z03B
COG	50	9.1pF	±0.25pF	2.5	490-3772-ND	.36	2.62 18.73	RPE5C1H9R1C2P1Z03B
COG	50	10pF	±5%	2.5	490-3678-ND	.34	2.51 17.90	RPE5C1H10J2P1Z03B
COG	50	12pF	±5%	2.5	490-3684-ND	.34	2.51 17.90	RPE5C1H12J2P1Z03B
COG	50	13pF	±5%	2.5	490-3686-ND	.33	2.45 17.50	RPE5C1H13J2P1Z03B
COG	50	15pF	±5%	2.5	490-3691-ND	.34	2.51 17.90	RPE5C1H15J2P1Z03B
COG	50	18pF	±5%	2.5	490-3697-ND	.34	2.51 17.90	RPE5C1H18J2P1Z03B
COG	50	20pF	±5%	2.5	490-3703-ND	.32	2.39 17.05	RPE5C1H20J2P1Z03B
COG	50	22pF	±5%	2.5	490-3708-ND	.34	2.51 17.90	RPE5C1H22J2P1Z03B
COG	50	24pF	±5%	2.5	490-3710-ND	.30	2.24 15.98	RPE5C1H24J2P1Z03B
COG	50	27pF	±5%	2.5	490-3714-ND	.34	2.51 17.90	RPE5C1H27J2P1Z03B
COG	50	30pF	±5%	2.5	490-3721-ND	.30	2.24 16.00	RPE5C1H30J2P1Z03B
COG	50	33pF	±5%	2.5	490-3725-ND	.34	2.51 17.90	RPE5C1H33J2P1Z03B
COG	50	39pF	±5%	2.5	490-3731-ND	.34	2.51 17.90	RPE5C1H39J2P1Z03B
COG	50	43pF	±5%	2.5	490-3736-ND	.32	2.39 17.05	RPE5C1H43J2P1Z03B
COG	50	47pF	±5%	2.5	490-3740-ND	.34	2.51 17.90	RPE5C1H47J2P1Z03B
COG	50	51pF	±5%	2.5	490-3745-ND	.30	2.22 15.85	RPE5C1H51J2P1Z03B
COG	50	56pF	±5%	2.5	490-3749-ND	.34	2.51 17.90	RPE5C1H56J2P1Z03B
COG	50	68pF	±5%	2.5	490-3757-ND	.34	2.51 17.90	RPE5C1H68J2P1Z03B
COG	50	75pF	±5%	2.5	490-3761-ND	.30	2.24 15.98	RPE5C1H75J2P1Z03B
COG	50	82pF	±5%	2.5	490-3768-ND	.34	2.51 17.90	RPE5C1H82J2P1Z03B
COG	50	91pF	±5%	2.5	490-3773-ND	.36	2.62 18.70	RPE5C1H91J2P1Z03B
COG	50	100pF	±5%	2.5	490-3676-ND	.33	2.43 17.33	RPE5C1H10J2P1Z03B
COG	50	120pF	±5%	2.5	490-3682-ND	.33	2.43 17.33	RPE5C1H12J2P1Z03B
COG	50	150pF	±5%	2.5	490-3689-ND	.33	2.43 17.33	RPE5C1H15J2P1Z03B
COG	50	180pF	±5%	2.5	490-3695-ND	.33	2.43 17.33	RPE5C1H18J2P1Z03B
COG	50	220pF	±5%	2.5	490-3706-ND	.33	2.43 17.33	RPE5C1H22J2P1Z03B
COG	50	270pF	±5%	2.5	490-3712-ND	.33	2.43 17.33	RPE5C1H27J2P1Z03B
COG	50	300pF	±5%	2.5	490-3720-ND	.30	2.22 15.85	RPE5C1H30J2P1Z03B
COG	50	330pF	±5%	2.5	490-3723-ND	.34	2.51 17.90	RPE5C1H33J2P1Z03B
COG	50	360pF	±5%	2.5	490-3727-ND	.30	2.22 15.85	RPE5C1H36J2P1Z03B

Fig.	Type	VV Vdc	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Murata Part No.	Pricing 1 10 100
COG	50	390pF	±5%	2.5	490-3729-ND	.34	2.51 17.90	RPE5C1H39J2P1Z03B
COG	50	470pF	±5%	2.5	490-3738-ND	.35	2.61 18.63	RPE5C1H47J2P1Z03B
COG	50	560pF	±5%	2.5	490-3747-ND	.35	2.61 18.63	RPE5C1H56J2P1Z03B
COG	50	680pF	±5%	2.5	490-3755-ND	.38	2.79 19.93	RPE5C1H68J2P1Z03B
COG	50	820pF	±5%	2.5	490-3766-ND	.38	2.79 19.93	RPE5C1H82J2P1Z03B
COG	50	1,000pF	±5%	2.5	490-3674-ND	.43	3.16 22.58	RPE5C1H10J2P1Z03B
COG	50	1,200pF	±5%	3.15	490-3680-ND	.43	3.16 22.58	RPE5C1H12J2P1Z03B
COG	50	1,500pF	±5%	3.15	490-3687-ND	.50	3.71 26.50	RPE5C1H15J2P1Z03B
COG	50	1,800pF	±5%	3.15	490-3693-ND	.51	3.74 26.70	RPE5C1H18J2P1Z03B
COG	50	2,200pF	±5%	3.15	490-3704-ND	.51	3.74 26.70	RPE5C1H22J2P1Z03B
X7R	100	220pF	±10%	2.5	490-3780-ND	.35	2.58 18.43	RPER2A221K2P1B03B
X7R	100	270pF	±10%	2.5	490-3782-ND	.31	2.30 16.45	RPER2A271K2P1B03B
X7R	100	330pF	±10%	2.5	490-3784-ND	.35	2.58 18.43	RPER2A331K2P1B03B
X7R	100	470pF	±10%	2.5	490-3786-ND	.35	2.58 18.43	RPER2A471K2P1