

# MURATA Multilayer Ceramic Radial Capacitors

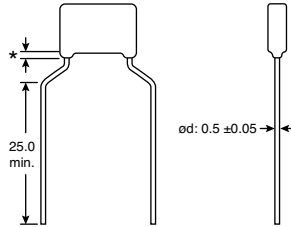


This product is RoHS compliant.

## MURATA RPE SERIES CAPACITORS

### Specifications:

- Temperature Characteristics:
  - COG ±30ppm/°C from -55°C to +125°C
  - X7R ±15% from -55°C to +125°C
  - Z5U -56%, +22% from +10°C to +85°C
- Case Size: 5.0 x 3.5mm
- Lead Space: 2.5mm
- D.F.: <math>\leq 0.8\%</math> @ 1kHz



\* Coating extension does not exceed the end of lead bend



RoHS Compliant

For quantities of 1000 and up, call for quote.

DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Tol. ±	Price Each			
				1	50	100	500
<b>COG 50 Volts</b>							
81-RPE5C1H1R0C2P1B03B	RPE5C1H1R0C2P1B03B	1.0	.25pF				
81-RPE5C1H2R0C2P1B03B	RPE5C1H2R0C2P1B03B	2.0	.25pF				
81-RPE5C1H3R0C2P1B03B	RPE5C1H3R0C2P1B03B	3.0	.25pF				
81-RPE5C1H3R9C2P1B03B	RPE5C1H3R9C2P1B03B	3.9	.25pF				
81-RPE5C1H4R0C2P1B03B	RPE5C1H4R0C2P1B03B	4.0	.25pF				
81-RPE5C1H4R7C2P1B03B	RPE5C1H4R7C2P1B03B	4.7	.25pF				
81-RPE5C1H5R6C2P1B03B	RPE5C1H5R6C2P1B03B	5.6	.25pF				
81-RPE5C1H6R0D2P1B03B	RPE5C1H6R0D2P1B03B	6.0	.5pF				
81-RPE5C1H6R8C2P1B03B	RPE5C1H6R8C2P1B03B	6.8	.25pF				
81-RPE5C1H7R0D2P1Z03B	RPE5C1H7R0D2P1Z03B	7.0	.5pF				
81-RPE5C1H8R0D2P1Z03B	RPE5C1H8R0D2P1Z03B	8.0	.5pF				
81-RPE5C1H8R2C2P1Z03B	RPE5C1H8R2C2P1Z03B	8.2	.25pF				
81-RPE5C1H9R0D2P1Z03B	RPE5C1H9R0D2P1Z03B	9.0	.5pF				
81-RPE5C1H9R1C2P1Z03B	RPE5C1H9R1C2P1Z03B	9.1	.25pF				
81-RPE5C1H100J2P1Z03B	RPE5C1H100J2P1Z03B	10	5%				
81-RPE5C1H120J2P1Z03B	RPE5C1H120J2P1Z03B	12	5%				
81-RPE5C1H150J2P1Z03B	RPE5C1H150J2P1Z03B	15	5%				
81-RPE5C1H180J2P1Z03B	RPE5C1H180J2P1Z03B	18	5%				
81-RPE5C1H220J2P1Z03B	RPE5C1H220J2P1Z03B	22	5%				
81-RPE5C1H240J2P1Z03B	RPE5C1H240J2P1Z03B	24	5%				
81-RPE5C1H270J2P1Z03B	RPE5C1H270J2P1Z03B	27	5%				
81-RPE5C1H300J2P1Z03B	RPE5C1H300J2P1Z03B	30	5%				
81-RPE5C1H330J2P1Z03B	RPE5C1H330J2P1Z03B	33	5%				
81-RPE5C1H390J2P1Z03B	RPE5C1H390J2P1Z03B	39	5%				
81-RPE5C1H430J2P1Z03B	RPE5C1H430J2P1Z03B	43	5%				
81-RPE5C1H470J2P1Z03B	RPE5C1H470J2P1Z03B	47	5%				
81-RPE5C1H560J2P1Z03B	RPE5C1H560J2P1Z03B	56	5%				
81-RPE5C1H680J2P1Z03B	RPE5C1H680J2P1Z03B	68	5%				
81-RPE5C1H750J2P1Z03B	RPE5C1H750J2P1Z03B	75	5%				
81-RPE5C1H820J2P1Z03B	RPE5C1H820J2P1Z03B	82	5%				
81-RPE5C1H910J2P1Z03B	RPE5C1H910J2P1Z03B	91	5%				
81-RPE5C1H101J2P1A03B	RPE5C1H101J2P1A03B	100	5%				
81-RPE5C1H121J2P1A03B	RPE5C1H121J2P1A03B	120	5%				
81-RPE5C1H151J2P1A03B	RPE5C1H151J2P1A03B	150	5%				
81-RPE5C1H181J2P1A03B	RPE5C1H181J2P1A03B	180	5%				
81-RPE5C1H221J2P1A03B	RPE5C1H221J2P1A03B	220	5%				
81-RPE5C1H271J2P1A03B	RPE5C1H271J2P1A03B	270	5%				
81-RPE5C1H301J2P1A03B	RPE5C1H301J2P1A03B	300	5%				
81-RPE5C1H331J2P1A03B	RPE5C1H331J2P1A03B	330	5%				
81-RPE5C1H361J2P1A03B	RPE5C1H361J2P1A03B	360	5%				
81-RPE5C1H391J2P1A03B	RPE5C1H391J2P1A03B	390	5%				
81-RPE5C1H471J2P1A03B	RPE5C1H471J2P1A03B	470	5%				
81-RPE5C1H561J2P1A03B	RPE5C1H561J2P1A03B	560	5%				
81-RPE5C1H681J2P1A03B	RPE5C1H681J2P1A03B	680	5%				
81-RPE5C1H821J2P1A03B	RPE5C1H821J2P1A03B	820	5%				
81-RPE5C1H102J2P1A03B	RPE5C1H102J2P1A03B	1000	5%				
81-RPE5C1H122J2P1A03B	RPE5C1H122J2P1A03B	1200	5%				
81-RPE5C1H152J2P1A03B	RPE5C1H152J2P1A03B	1500	5%				
81-RPE5C1H182J2P1C03B	RPE5C1H182J2P1C03B	1800	5%				
81-RPE5C1H222J2P1C03B	RPE5C1H222J2P1C03B	2200	5%				
<b>X7R 50 Volts</b>							
81-RPER71H221K2P1A03B	RPER71H221K2P1A03B	220	10%				
81-RPER71H331K2P1A03B	RPER71H331K2P1A03B	330	10%				
81-RPER71H391K2P1A03B	RPER71H391K2P1A03B	390	10%				
81-RPER71H471K2P1A03B	RPER71H471K2P1A03B	470	10%				
81-RPER71H561K2P1A03B	RPER71H561K2P1A03B	560	10%				
81-RPER71H681K2P1A03B	RPER71H681K2P1A03B	680	10%				
81-RPER71H821K2P1A03B	RPER71H821K2P1A03B	820	10%				
81-RPER71H102K2P1A03B	RPER71H102K2P1A03B	1000	10%				
81-RPER71H122K2P1A03B	RPER71H122K2P1A03B	1200	10%				
81-RPER71H152K2P1A03B	RPER71H152K2P1A03B	1500	10%				
81-RPER71H182K2P1A03B	RPER71H182K2P1A03B	1800	10%				
81-RPER71H222K2P1A03B	RPER71H222K2P1A03B	2200	10%				
81-RPER71H272K2P1A03B	RPER71H272K2P1A03B	2700	10%				

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Tol. ±	Price Each			
				1	50	100	500
<b>X7R 50 Volts (Cont.)</b>							
81-RPER71H332K2P1A03B	RPER71H332K2P1A03B	3300	10%				
81-RPER71H392K2P1A03B	RPER71H392K2P1A03B	3900	10%				
81-RPER71H472K2P1A03B	RPER71H472K2P1A03B	4700	10%				
81-RPER71H562K2P1A03B	RPER71H562K2P1A03B	5600	10%				
81-RPER71H682K2P1A03B	RPER71H682K2P1A03B	6800	10%				
81-RPER71H103K2P1A03B	RPER71H103K2P1A03B	.01µF	10%				
81-RPER71H153K2P1A03B	RPER71H153K2P1A03B	.015µF	10%				
81-RPER71H183K2P1A03B	RPER71H183K2P1A03B	.018µF	10%				
81-RPER71H223K2P1A03B	RPER71H223K2P1A03B	.022µF	10%				
81-RPER71H333K2P1A03B	RPER71H333K2P1A03B	.033µF	10%				
81-RPER71H473K2P1A03B	RPER71H473K2P1A03B	.047µF	10%				
81-RPER71H563K2P1A03B	RPER71H563K2P1A03B	.056µF	10%				
81-RPER71H683K2P1A03B	RPER71H683K2P1A03B	.068µF	10%				
81-RPER71H104K2P1A03B	RPER71H104K2P1A03B	.1µF	10%				
<b>Z5U 50 Volt</b>							
81-RPEE41H102M2P1A03B	RPEE41H102M2P1A03B	1000	20%				
81-RPEE41H222M2P1A03B	RPEE41H222M2P1A03B	2200	20%				
81-RPEE41H332M2P1A03B	RPEE41H332M2P1A03B	3300	20%				
81-RPEE41H472M2P1A03B	RPEE41H472M2P1A03B	4700	20%				
81-RPEE41H103M2P1A03B	RPEE41H103M2P1A03B	.01µF	20%				
81-RPEE41H223M2P1A03B	RPEE41H223M2P1A03B	.022µF	20%				
81-RPEE41H473M2P1A03B	RPEE41H473M2P1A03B	.047µF	20%				
81-RPE131Z104M50	RPEE41H104M2P1A03B	.1µF	20%				
<b>COG 100 Volts</b>							
81-RPE5C2A1R0C2P1B03B	RPE5C2A1R0C2P1B03B	1.0	.25pF				
81-RPE5C2A1R2C2P1B03B	RPE5C2A1R2C2P1B03B	1.2	.25pF				
81-RPE5C2A1R5C2P1B03B	RPE5C2A1R5C2P1B03B	1.5	.25pF				
81-RPE5C2A2R0C2P1B03B	RPE5C2A2R0C2P1B03B	2.0	.25pF				
81-RPE5C2A3R0C2P1B03B	RPE5C2A3R0C2P1B03B	3.0	.25pF				
81-RPE5C2A3R3C2P1B03B	RPE5C2A3R3C2P1B03B	3.3	.25pF				
81-RPE5C2A3R6C2P1B03B	RPE5C2A3R6C2P1B03B	3.6	.25pF				
81-RPE5C2A3R9C2P1B03B	RPE5C2A3R9C2P1B03B	3.9	.25pF				
81-RPE5C2A5R0C2P1B03B	RPE5C2A5R0C2P1B03B	5.0	.25pF				
81-RPE5C2A6R2C2P1B03B	RPE5C2A6R2C2P1B03B	6.2	.25pF				
81-RPE5C2A6R8C2P1B03B	RPE5C2A6R8C2P1B03B	6.8	.25pF				
81-RPE5C2A100J2P1Z03B	RPE5C2A100J2P1Z03B	10	5%				
81-RPE5C2A110J2P1Z03B	RPE5C2A110J2P1Z03B	11	5%				
81-RPE5C2A120J2P1Z03B	RPE5C2A120J2P1Z03B	12	5%				
81-RPE5C2A130J2P1Z03B	RPE5C2A130J2P1Z03B	13	5%				
81-RPE5C2A150J2P1Z03B	RPE5C2A150J2P1Z03B	15	5%				
81-RPE5C2A160J2P1Z03B	RPE5C2A160J2P1Z03B	16	5%				
81-RPE5C2A180J2P1Z03B	RPE5C2A180J2P1Z03B	18	5%				
81-RPE5C2A220J2P1Z03B	RPE5C2A220J2P1Z03B	22	5%				
81-RPE5C2A240J2P1Z03B	RPE5C2A240J2P1Z03B	24	5%				
81-RPE5C2A270J2P1Z03B	RPE5C2A270J2P1Z03B	27	5%				
81-RPE5C2A300J2P1Z03B	RPE5C2A300J2P1Z03B	30	5%				
81-RPE5C2A330J2P1Z03B	RPE5C2A330J2P1Z03B	33	5%				
81-RPE5C2A390J2P1Z03B	RPE5C2A390J2P1Z03B	39	5%				
81-RPE5C2A430J2P1Z03B	RPE5C2A430J2P1Z03B	43	5%				
81-RPE5C2A470J2P1Z03B	RPE5C2A470J2P1Z03B	47	5%				
81-RPE5C2A560J2P1Z03B	RPE5C2A560J2P1Z03B	56	5%				
81-RPE5C2A750J2P1Z03B	RPE5C2A750J2P1Z03B	75	5%				
81-RPE5C2A820J2P1Z03B	RPE5C2A820J2P1Z03B	82	5%				
81-RPE5C2A910J2P1Z03B	RPE5C2A910J2P1Z03B	91	5%				
81-RPE5C2A121J2P1Z03B	RPE5C2A121J2P1Z03B	120	5%				
81-RPE5C2A151J2P1Z03B	RPE5C2A151J2P1Z03B	150	5%				
81-RPE5C2A181J2P1Z03B	RPE5C2A181J2P1Z03B	180	5%				
81-RPE5C2A201J2P1Z03B	RPE5C2A201J2P1Z03B	200	5%				
81-RPE5C2A221J2P1Z03B	RPE5C2A221J2P1Z03B	220	5%				
81-RPE5C2A271J2P1Z03B	RPE5C2A271J2P1Z03B	270	5%				
81-RPE5C2A301J2P1Z03B	RPE5C2A301J2P1Z03B	300	5%				
81-RPE5C2A331J2P1Z03B	RPE5C2A331J2P1Z03B	330	5%				
81-RPE5C2A391J2P1Z03B	RPE5C2A391J2P1Z03B	390	5%				
81-RPE5C2A431J2P1Z03B	RPE5C2A431J2P1Z03B	430	5%				
81-RPE5C2A561J2P1B03B	RPE5C2A561J2P1B03B	560	5%				
81-RPE5C2A751J2P1B03B	RPE5C2A751J2P1B03B	750	5%				
81-RPE5C2A821J2P1B03B	RPE5C2A821J2P1B03B	820	5%				
<b>X7R 100 Volts</b>							
81-RPER72A221K2P1B03B	RPER72A221K2P1B03B	220	10%				
81-RPER72A271K2P1B03B	RPER72A271K2P1B03B	270	10%				
81-RPER72A331K2P1B03B	RPER72A331K2P1B03B	330	10%				
81-RPER72A471K2P1B03B	RPER72A471K2P1B03B	470	10%				
81-RPER72A681K2P1B03B	RPER72A681K2P1B03B	680	10%				
81-RPER72A821K2P1B03B	RPER72A821K2P1B03B	820	10%				
81-RPER72A102K2P1A03B	RPER72A102K2P1A03B	1000	10%				
81-RPER72A122K2P1A03B	RPER72A122K2P1A03B	1200	10%				
81-RPER72A152K2P1A03B	RPER72A152K2P1A03B	1500	10%				
81-RPER72A182K2P1A03B	RPER72A182K2P1A03B</						