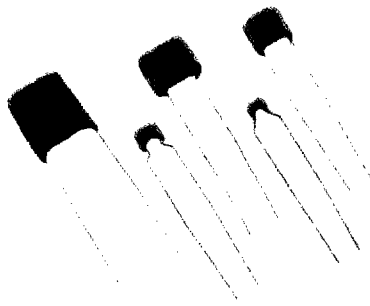


# MONOLITHIC CERAMIC CAPACITORS CONFORMAL COATED RADIAL LEADED CAPACITORS RPE110-RPE121/122 SERIES



## FEATURES

- Wide capacitance, T.C., voltage and tolerance range
- Industry standard sizes
- Tape and reel available for auto insertion
- Various lead spacing available
- Marking standard or to customer specification
- Epoxy coating meets UL94V-0

## DIMENSIONS: mm

RPE110	RPE131 RPE132	RPE121 RPE122	Size	L (max.)	H (max.)	H <sub>1</sub> (max.)	T (max.)	L.S.	d	WVDC
			RPE110	3.8	3.0	—	2.5	2.54 <sup>+0.6</sup> / <sub>-0.1</sub>	0.4 ± 0.05	50 ~ 200
			RPE131- RPE132	5.0	3.5	5.5	3.15	2.54 <sup>+0.6</sup> / <sub>-0.1</sub> / 5.08 <sup>+0.6</sup> / <sub>-0.1</sub>	0.5 ± 0.05	25 ~ 500
			RPE121- RPE122	5.0	4.5	6.3	3.15	2.5/5.1	0.5 ± 0.05	50 ~ 500

## SPECIFICATIONS

Type	Rated Voltage	COG	X7R	Z5U	Y5V
RPE110/131/132	50V	1pF ~ 1300pF	220pF ~ .1μF	1000pF ~ .1μF	.01μF ~ .22μF
	100V	1pF ~ 820pF	220pF ~ .012μF	1000pF ~ .015μF	.01μF ~ .015μF
	200V	1pF ~ 160pF	220pF ~ 5600pF	1000pF ~ 3300pF	N/A
RPE121-122	50V	1pF ~ 4700pF	220pF ~ .27μF	1000pF ~ .47μF	1000pF ~ .68μF
	100V	1pF ~ 4300pF	220pF ~ .1μF	1000pF ~ .15μF	1000pF ~ .068μF
	200V	1pF ~ 1100pF	220pF ~ .047μF	1000pF ~ .068μF	N/A
	500V	10pF ~ 1000pF	220pF ~ .022μF	N/A	N/A

## PART NUMBERING SYSTEM

<b>RPE110</b>	<b>XXX</b>	<b>X7R</b>	<b>103</b>	<b>K</b>	<b>050V</b>										
<b>CAPACITOR TYPE AND SIZE</b>	<b>USED ONLY FOR</b> tape and reel and other variations.	<b>TEMPERATURE CHARACTERISTICS</b> COG = 0 ±30ppm* X7R = ±15% Z5U = +22, -56% Y5V = +22, -82% P2H = N150 ± 60ppm R2H = N220 ± 60ppm S2H = N330 ± 60ppm T2H = N470 ± 60ppm U2J = N750 ± 120ppm	<b>CAPACITANCE VALUE</b> Expressed in picofarads and identified by a three-digit number. First two digits represent significant figures. Last digit specifies the number of zeros to follow. For the fractional values below 10pF, the letter "R" is used as the decimal point and the last digit becomes significant.	<b>CAPACITANCE TOLERANCE</b> COG: 5pF or less C = ±.25pF >5pF ≤ 10pF D = ±.5pF >10pF J = ±5% X7R: K = ±10% Z5U: M = ±20% Y5V: Z = +80, -20%	<b>VOLTAGE</b> Identified by a three digit number. 50 and 100V standard (200V and 500V on special request)										
<p>*NOTE: T.C. Tolerance</p> <table border="1"> <thead> <tr> <th>Capacitance (pF)</th> <th>T.C. Tolerance (ppm)</th> </tr> </thead> <tbody> <tr> <td>10 and over</td> <td>± 30 (G)</td> </tr> <tr> <td>4.0 ~ 9.9</td> <td>± 60 (H)</td> </tr> <tr> <td>2.1 ~ 3.9</td> <td>± 120 (J)</td> </tr> <tr> <td>.4 ~ 2.0</td> <td>± 250 (K)</td> </tr> </tbody> </table> <p>Refer to EIA RS-198 for limitations.</p>						Capacitance (pF)	T.C. Tolerance (ppm)	10 and over	± 30 (G)	4.0 ~ 9.9	± 60 (H)	2.1 ~ 3.9	± 120 (J)	.4 ~ 2.0	± 250 (K)
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For more detailed information regarding this product line, see Catalog No. C-22-C. To receive additional information on Murata Products call 1-800-831-9172.