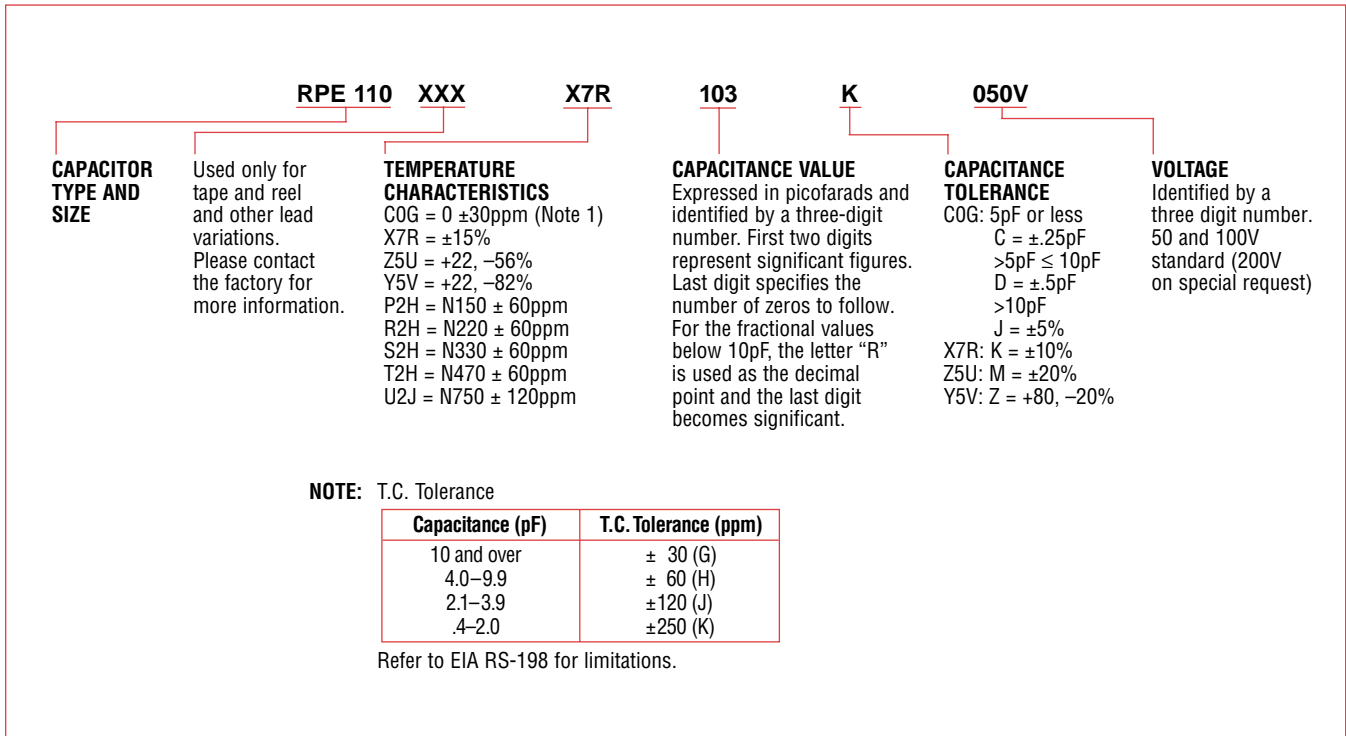




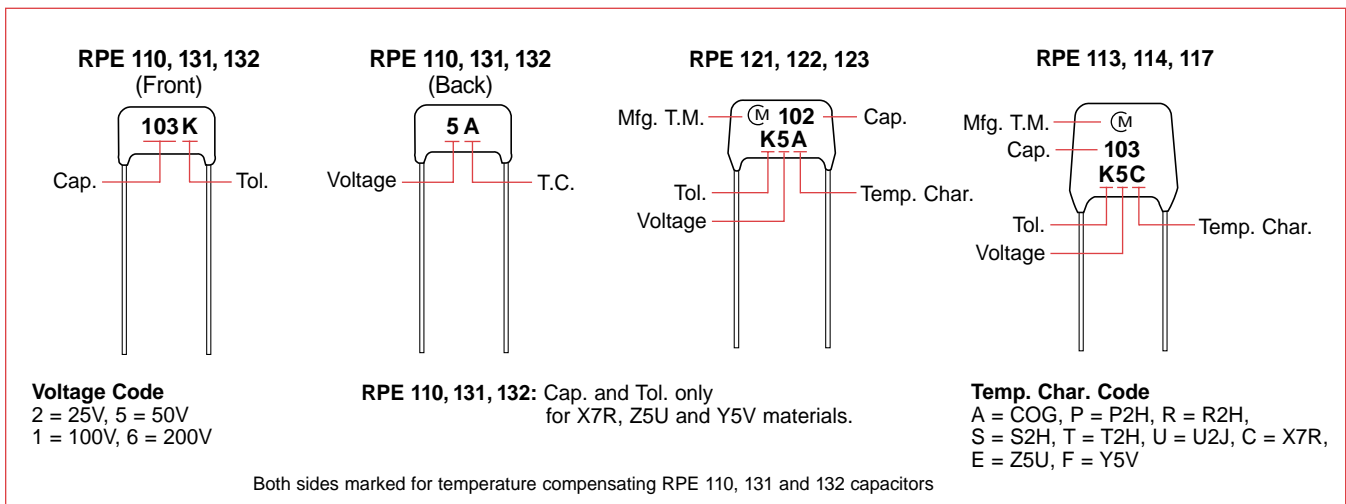
#### FEATURES

- 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

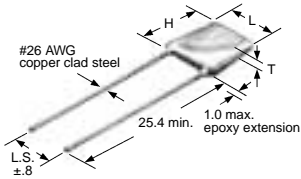
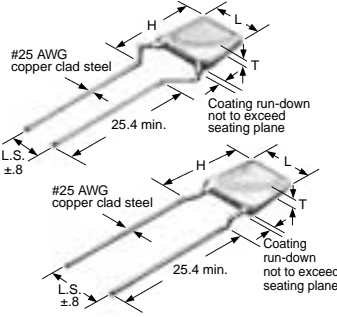
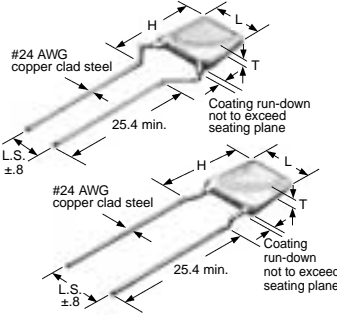
#### PART NUMBERING SYSTEM



#### MARKINGS



Note: High Reliability RPE Capacitors available. See page 136.

DIMENSIONS: mm									
	Note: Lead length is measured from the bottom of the capacitor.								
MURATA DESIGNATION	★RPE 110 †			★RPE 131/RPE 132			★RPE 121/RPE 122		
L (max.)	3.5			5.1			5.1		
H (max.)	3.1			5.1			6.4		
T (max.)	2.5			3.2			3.2		
L.S.	2.5			2.5/5.1			2.5/5.1		
WVDC	50	100	200	50	100	200	50	100	200
CAPACITANCE									
(pF) 1.0	1	1	1	1	1	1	1	1	1
10									
100			130			390			
1000	1300	820		4300	1600		4700	4300	1100
(μF) .01									

LEADED CAPACITORS, NETWORKS, AND HV CAPACITORS

\*EIA values available as standard through authorized Murata Electronics Distributors.

† Bulk only.

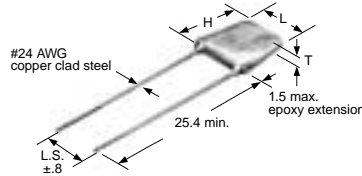
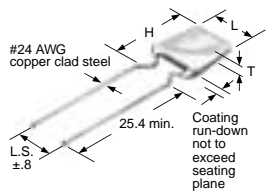
Note: Capacitance values = EIA 24 Step = 10, 11, 12, 13, 15, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 43, 47, 51, 56, 62, 68, 75, 82, 91  
For values under 1.0pF, contact your local Murata Electronics Sales Office.

## MONOLITHIC LEADED CAPACITORS

### CERAMIC LEADED CAPACITORS – COG TYPE

### RPE 123/113/114/117 Series

**DIMENSIONS: mm**



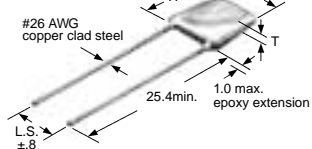
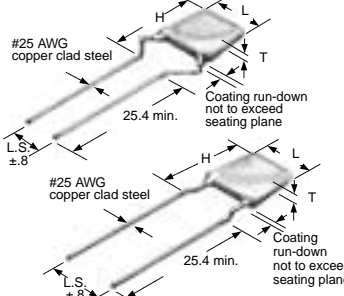
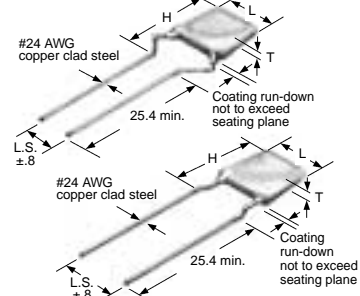
Standard package and lead configurations shown. Other variations and tape and reel data are displayed on pages 69-70. All RPE wire is tinned copper clad steel wire. For other requirements, please contact your local sales office.

MURATA DESIGNATION	★RPE 123			★RPE 113			★RPE 114			★RPE 117†			
	L (max.)	H (max.)	T (max.)	L.S.	WVDC	CAPACITANCE							
L (max.)	7.6	7.6	10.2	12.7	50	100	200	50	100	200	50	100	200
H (max.)	7.0	7.6	10.2	12.7	50	100	200	50	100	200	50	100	200
T (max.)	3.2	4.0	4.0	5.1	50	100	200	50	100	200	50	100	200
L.S.	5.1	5.1	5.1	10.2									
WVDC	50	100	200	50	100	200	50	100	200	50	100	200	
CAPACITANCE													
	(pF)												
	1.0												
	10												
(µF) .01	100												
	1000	5100	4700	1200	1600	1800	3900	4300					
	10000	6800	7500										
	100000	.016	.020	.012	.018	.022	.013	.010	.043	.036	.030		
	1000000					.039	.033	.068	.056				

\*EIA values available as standard through authorized Murata Electronics Distributors.

† Bulk only.

Note: Capacitance values = EIA 24 Step = 10, 11, 12, 13, 15, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 43, 47, 51, 56, 62, 68, 75, 82, 91  
For values under 1.0pF, contact your local Murata Electronics Sales Office.

DIMENSIONS: mm									
									
MURATA DESIGNATION	★RPE 110†			★RPE 131/RPE 132			★RPE 121/RPE 122		
L (max.)	3.5			5.1			5.1		
H (max.)	3.1			5.1			6.4		
T (max.)	2.5			3.2			3.2		
L.S.	2.5			2.5/5.1			2.5/5.1		
WVDC	50	100	200	50	100	200	50	100	200
CAPACITANCE									
(pF) 100	220	220	220	220	220	220	220	220	220
1000	5600								
(μF) .01									
.1				.1			.27	.1	
1.0									

LEADED CAPACITORS NETWORKS, AND HV CAPACITORS

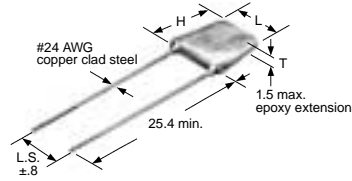
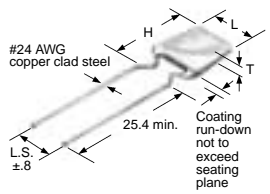
For requirements not shown, please contact your local Murata Electronics Sales Office.

★EIA values available as standard through authorized Murata Electronics Distributors.

† Bulk only.

Note: Capacitance values = EIA 12 Step = 10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82

**DIMENSIONS: mm**



Standard package and lead configurations shown. Other variations and tape and reel data are displayed on pages 69-70. All RPE wire is tinned copper clad steel wire. For other requirements, please contact your local sales office.

MURATA DESIGNATION	★RPE 123			★RPE 113			★RPE 114			★RPE 117†			
	L (max.)	H (max.)	T (max.)	L.S.	WVDC	CAPACITANCE	WVDC	CAPACITANCE	WVDC	CAPACITANCE	WVDC	CAPACITANCE	
L (max.)	7.6	7.6	10.2	12.7	50	100	200	50	100	200	50	100	200
H (max.)	7.0	7.6	10.2	12.7	50	100	200	50	100	200	50	100	200
T (max.)	3.2	4.0	4.0	5.1	50	100	200	50	100	200	50	100	200
L.S.	5.1	5.1	5.1	10.2	50	100	200	50	100	200	50	100	200
WVDC	50	100	200	50	100	200	50	100	200	50	100	200	200
CAPACITANCE													
(pF) 100													
1000													
(μF) .01													
.1	.33	.12	.056	.18	.47	.15	.082	.18	.56	.22			.68
1.0	.47	.15	.082	.18	.56	.15	.082	.18	.56	.56			.68
1.0					1.0				1.2	1.0	1.2	1.2	1.8
									1.8	1.0	2.2	2.2	1.8

For requirements not shown, please contact your local Murata Electronics Sales Office.

★EIA values available as standard through authorized Murata Electronics Distributors.

† Bulk only.

Note: Capacitance values = EIA 12 Step = 10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82

# LEADED CAPACITORS, NETWORKS & HV CAPACITORS

## MONOLITHIC LEADED CAPACITORS

### Z5U TYPE



## RPE 110/131/132/121/122 Series

DIMENSIONS: mm									
	MURATA DESIGNATION	★RPE 110†			★RPE 131/RPE 132			★RPE 121/RPE 122	
L (max.)	3.5			5.1			5.1		
H (max.)	3.1			5.1			6.4		
T (max.)	2.5			3.2			3.2		
L.S.	2.5			2.5/5.1			2.5/5.1		
WVDC	50	100	200	50	100	200	50	100	200
CAPACITANCE									
(pF) 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
(μF) .01			3300			6800			
.1	.1	.015		.15	.033		.47	.15	.068
1.0									
10.0									

LEADED CAPACITORS, NETWORKS, AND HV CAPACITORS

For requirements not shown, please contact your local Murata Electronics Sales Office.

★EIA values available as standard through authorized Murata Electronics Distributors.

† Bulk only.

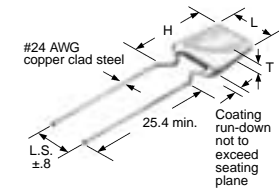
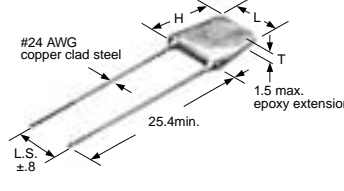
Note: Capacitance values = EIA 6 Step = 10, 15, 22, 33, 47, 68

# LEADED CAPACITORS, NETWORKS & HV CAPACITORS

## MONOLITHIC LEADED CAPACITORS

### Z5U TYPE

## RPE 123/113/114/117 Series

DIMENSIONS: mm													
								<p>Standard package and lead configurations shown. Other variations and tape and reel data are displayed on pages 69-70. All RPE wire is tinned copper clad steel wire. For other requirements, please contact your local sales office.</p>					
MURATA DESIGNATION	★RPE 123				★RPE 113			★RPE 114			★RPE 117†		
L (max.)	7.6				7.6			10.2			12.7		
H (max.)	7.0				7.6			10.2			12.7		
T (max.)	3.2				4.0			4.0			5.1		
L.S.	5.1				5.1			5.1			10.2		
WVDC	25	50	100	200	50	100	200	50	100	200	50	100	200
CAPACITANCE													
(pF) 1000													
(μF) .01													
.1			N/A	N/A			.068						
1.0	1.0	.47			1.0	.47	.22	.10	.68	.15	.33	.47	.68
10.0	1.5	1.0			1.5				1.5	1.0	2.2	1.5	2.2
									2.2		4.7	2.2	

For requirements not shown, please contact your local Murata Electronics Sales Office.

\*EIA values available as standard through authorized Murata Electronics Distributors.

† Bulk only.

Note: Capacitance values = EIA 6 Step = 10, 15, 22, 33, 47, 68

# LEADED CAPACITORS, NETWORKS & HV CAPACITORS



## MONOLITHIC LEADED CAPACITORS

### CONFORMAL COATED RADIAL LEADS – Y5V TYPE RPE 110/131/132/121/122 Series

DIMENSIONS: mm									
	★RPE 110 <sup>†</sup>			★RPE 131/RPE 132			★RPE 121/RPE 122		
MURATA DESIGNATION	★RPE 110 <sup>†</sup>			★RPE 131/RPE 132			★RPE 121/RPE 122		
L (max.)	3.5			5.1			5.1		
H (max.)	3.1			5.1			6.4		
T (max.)	2.5			3.2			3.2		
L.S.	2.5			2.5/5.1			2.5/5.1		
WVDC	50	100	200	50	100	200	50	100	200
CAPACITANCE									
(pF) 1000							1000	1000	N/A
(μF) .01	.01	.01	N/A	.01	.01	N/A			
		.015			.033				
.1	.1			.22			.47		
1.0									
10.0									

LEADED CAPACITORS, NETWORKS, AND HV CAPACITORS

For requirements not shown, please contact your local Murata Electronics Sales Office.

\*EIA values available as standard through authorized Murata Electronics Distributors.

<sup>†</sup> Bulk only.

Note: Capacitance values = EIA 6 Step = 10, 15, 22, 33, 47, 68



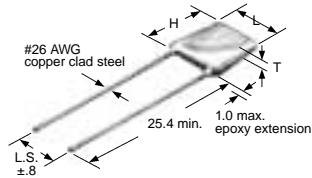
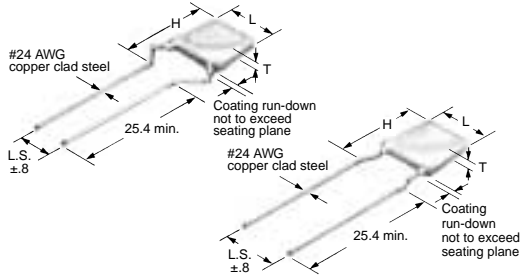
DIMENSIONS: mm																	
														<p>Standard package and lead configurations shown. Other variations and tape and reel data are displayed on pages 69-70. All RPE wire is tinned copper clad steel wire. For other requirements, please contact your local sales office.</p>			
MURATA DESIGNATION	★RPE 123			★RPE 113			★RPE 114			★RPE 117†							
L (max.)	7.6			7.6			10.2			12.7							
H (max.)	7.0			7.6			10.2			12.7							
T (max.)	3.2			4.0			4.0			5.1							
L.S.	5.1			5.1			5.1			10.2							
WVDC	50	100	200	50	100	200	50	100	200	50	100	200					
CAPACITANCE																	
(pF) 1000																	
(μF) .01																	
.1		.1	N/A			N/A			N/A			N/A					
1.0	.47	.15			.22												
10.0	1.0			1.0	.47		1.5	.68	1.0		2.2	1.5					
				1.5			4.7			6.8	2.2						

For requirements not shown, please contact your local Murata Electronics Sales Office.

★EIA values available as standard through authorized Murata Electronics Distributors.

† Bulk only.

Note: Capacitance values = EIA 6 Step = 10, 15, 22, 33, 47, 68

DIMENSIONS: mm				
	★RPE 110		★RPE 121/RPE 122	
<b>MURATA DESIGNATION</b>				
<b>L (max.)</b>	3.5		5.1	
<b>H (max.)</b>	3.1		6.4	
<b>T (max.)</b>	2.5		3.2	
<b>L.S.</b>	2.5		2.5/5.1	
<b>WVDC</b>	<b>50</b>	<b>100</b>	<b>50</b>	<b>100</b>
TC: N150 (P2H) Cap. Range: (pF)	1	1	1	1
	360	360		
			2400	2200
TC: N220 (R2H) Cap. Range: (pF)	1	1	1	1
	560	560		
			2700	2400
TC: N330 (S2H) Cap. Range: (pF)	1	1	1	1
	470	430		
			3300	3000
TC N470 (T2H) Cap. Range: (pF)	1	1	1	1
	390	510		240
			1200	
TC: N750 (U2J) Cap. Range: (pF)	1	1	15	15
	1800	910		
			7500	4700

**Note:** Capacitance values = EIA 24 Step = 10, 11, 12, 13, 15, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 43, 47, 51, 56, 62, 68, 75, 82, 91  
For values under 1.0pF, contact your local Murata Electronics Sales Office.

LEADED CAPACITORS  
NETWORKS, AND  
HV CAPACITORS