

◆CHIP TYPE PART NUMBER

Rated Voltage		Series		Capacitance		Capacitance Tolerance		Option ※1	D×L Case Size
Rated Voltage(Vdc)	Code	Cap.(μF)	Code	Tolerance	Code				
6.3	6.3	4.7	4R7	±20%	M				4×6.1 8×10.5 16×21.5
10	10	220	220						
25	25	3300	3300						
100	100								

Please indicate the above information, when ordering.

Example
35 TZV 330 M 10×10.5

※1 Option : Standard item is blank.

◆LEAD WIRE TYPE PART NUMBER

Rated Voltage		Series		Capacitance		Capacitance Tolerance		Option ※2	Lead Forming ※3	D×L Case Size
Rated Voltage(Vdc)	Code	Cap.(μF)	Code	Tolerance	Code			EFC etc	TA, KC, CA etc	5×11 10×12.5 12.5×40
6.3	6.3	0.1	0R1	±20%	M					
10	10	0.47	0R47							
25	25	1	1							
100	100	10	10							
		1000	1000							

Please indicate the above information, when ordering.

Example
 *Long lead type 50 PX 2R2 M EFC 5×11
 *Taping type 35 ZLJ 220 M TA 8×16

※2 Option : Please confirm each series page.

※3 Lead Forming : Please refer to TAPING SPECIFICATIONS and LEAD CUTTING FORMING SPECIFICATIONS.

PACKAGING SPECIFICATION

◆LEAD WIRE TYPE

Q'ty (pcs)

SIZE (mm)		LONG LEAD		LEAD FORMING		TAPING
		BULK PACKAGE	ALIGNED PACKAGE	BULK PACKAGE	ALIGNED PACKAGE	
φ4	4×5	5,000	—	5,000	—	2,000
	4×7	5,000	—	5,000	—	2,000
φ5	5×5	5,000	—	5,000	—	2,000
	5×7	5,000	—	5,000	—	2,000
	5×11	3,000	—	5,000	—	2,000
φ6.3	6.3×5	3,000	—	5,000	—	2,000
	6.3×7	3,000	—	5,000	—	2,000
	6.3×9	2,000	—	3,000	—	2,000
	6.3×11	2,000	—	3,000	—	2,000
	6.3×14	2,000	—	3,000	—	2,000
	6.3×25	1,000	—	1,000	—	—
	6.3×30	1,000	—	1,000	—	—
	6.3×40	1,000	—	1,000	—	—
	6.3×50	1,000	—	1,000	—	—
	8×5	3,000	—	5,000	—	1,000
φ8	8×7	3,000	—	5,000	—	1,000
	8×7.5	2,000	—	2,000	—	1,000
	8×9	2,000	—	2,000	—	1,000
	8×10.8	2,000	—	2,000	—	1,000
	8×11.5	2,000	—	2,000	—	1,000
	8×16	1,000	—	1,000	—	1,000
	8×20	1,000	—	1,000	—	1,000
	8×23	1,000	—	1,000	—	1,000
	8×25	—	500	—	500	—
	8×30	—	500	—	500	—
	8×35	—	500	—	500	—
	8×40	—	500	—	500	—
	8×45	—	500	—	500	—
	8×50	—	500	—	500	—
	8×55	—	500	—	500	—
	8×60	—	500	—	500	—
	10×9	1,000	—	1,000	—	500
φ10	10×10	1,000	—	1,000	—	500
	10×12.5	1,000	—	1,000	—	500
	10×16	1,000	—	1,000	—	500
	10×20	1,000	—	1,000	—	500
	10×23	1,000	—	1,000	—	500
	10×25	1,000	500	1,000	500	500
	10×28	1,000	500	1,000	500	500
	10×30	—	500	—	500	—
	10×35	—	500	—	500	—
	10×40	—	500	—	500	—
	10×45	—	500	—	500	—
	10×50	—	500	—	500	—
	10×55	—	500	—	500	—
	10×60	—	500	—	500	—

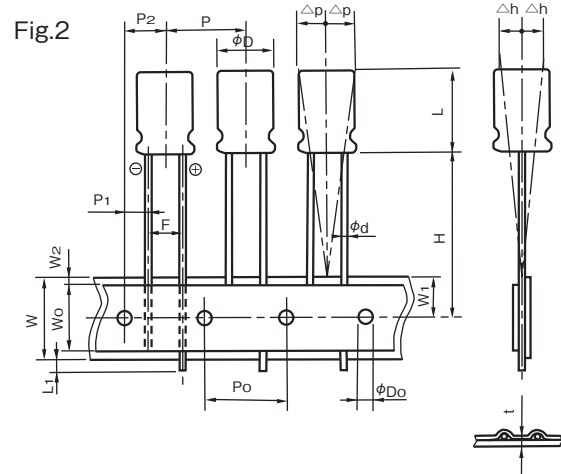
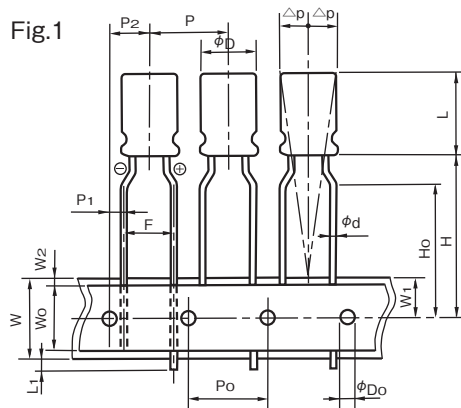
SIZE (mm)		LONG LEAD		LEAD FORMING		TAPING
		BULK PACKAGE	ALIGNED PACKAGE	BULK PACKAGE	ALIGNED PACKAGE	
φ12.5	12.5×16	1,000	—	1,000	500	500
	12.5×20	1,000	500	1,000	500	500
	12.5×25	1,000	500	1,000	500	500
	12.5×30	600	500	600	500	500
	12.5×35	600	500	600	500	500
	12.5×40	600	500	600	500	500
	12.5×45	—	500	—	500	—
	12.5×50	—	500	—	500	—
	12.5×55	—	500	—	500	—
	12.5×60	—	500	—	500	—
φ14.5	14.5×20	—	500	—	500	—
	14.5×25	—	500	—	500	—
	14.5×30	—	500	—	500	—
	14.5×31.5	—	500	—	500	—
	14.5×35	—	500	—	500	—
	14.5×40	—	500	—	500	—
	14.5×45	—	500	—	500	—
φ16	16×16	600	—	600	400	250
	16×20	600	200	600	400	250
	16×25	600	200	600	400	250
	16×30	—	200	—	200	250
	16×31.5	—	200	—	200	250
	16×35	—	200	—	200	250
	16×35.5	—	200	—	200	250
	16×40	—	200	—	200	250
	16×45	—	200	—	200	—
	16×50	—	200	—	200	—
φ18	18×16	500	—	—	200	250
	18×20	500	200	—	200	250
	18×25	500	200	—	200	250
	18×30	—	200	—	200	250
	18×31.5	—	200	—	200	250
	18×35	—	200	—	200	250
	18×35.5	—	200	—	200	250
	18×40	—	200	—	200	250
	18×45	—	200	—	200	—
	18×50	—	200	—	200	—

•There are some differences between actual package quantity and above list.

•For the sizes stated both bulk and aligned package, aligned package is standard for exporting carton.

◆TAPING SPECIFICATIONS

◆ DIMENSIONS

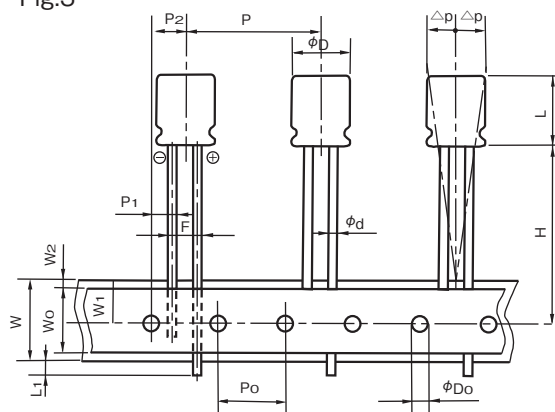


◆ SPECIFICATION TABLE

(mm)

Items	Code	5mm Height		7mm or 7.5mm Height				Tolerance
		$\phi 4 \sim \phi 8$		$\phi 4 \sim \phi 6.3$	$\phi 4 \sim \phi 6.3$	$\phi 8$		
Taping code		T5	TZ	T5	TZ	TA	T7	
Applicable Fig. No.		Fig.2	Fig.1	Fig.2	Fig.1	Fig.1	Fig.2	
Dia. of lead	ϕd	0.45		0.45				± 0.05
Height of body	L	6.5		8.5				MAX
Distance from center to center of next body	P	12.7		12.7				± 1.0
Distance from center to center of next driving hole	P ₀	12.7		12.7				± 0.2
Distance between center of driving hole and lead	P ₁	5.1	3.85	5.1	3.85		4.6	± 0.5
Distance between center of driving hole and body	P ₂	6.35		6.35				± 1.0
Pitch of lead	F	2.5	5.0	2.5	5.0		3.5	$+0.8$ -0.2
Width of mounting tape	W	18.0		18.0				± 0.3
Width of adhesive tape	W ₀	5.0		5.0				MIN
Distance between center of driving hole and mounting tape edge	W ₁	9.0		9.0				± 0.5
Max. allowable distance between mounting and adhesive tape edges	W ₂	1.5		1.5				MAX
Distance between center of driving hole and bottom of body	H	17.5		17.5		20.0		± 0.75
Distance between center of driving hole and clinch part of lead	H ₀	—	16.0	—	16.0		—	± 0.5
End of lead	L ₁	0.5		0.5				MAX
Dia. of driving hole	ϕD_0	4.0		4.0				± 0.2
Off alignment of body top	$\triangle h$	1.0		1.0				MAX
Off alignment of body top	$\triangle p$	1.0		1.0				MAX
Sum of thickness for mounting and adhesive tape without lead dia	t	0.6		0.6				± 0.3
Quantity (pcs)		2000 ($\phi 8$:1000)						

Fig.3



◆ SPECIFICATION TABLE

(mm)

Items	Code	9mm or more Height							※
		φ5, φ6.3		φ8		φ10	φ12.5	φ16	φ18
Taping code		T1	TA	TA	T7	T8	G4	GC	
Applicable Fig. No.		Fig.2	Fig.1	Fig.1	Fig.2	Fig.2	Fig.2	Fig.3	
Dia. of lead	φd	0.5		0.6			0.8		±0.05
Height of body	L	13.0		22.0		30.0	42.0		MAX
Distance from center to center of next body	P	12.7					15.0	30.0	±1.0
Distance from center to center of next driving hole	P ₀	12.7					15.0	15.0±0.3	±0.2
Distance between center of driving hole and lead	P ₁	5.1	3.85		4.6	3.85	5.0	3.75	±0.5
Distance between center of driving hole and body	P ₂	6.35					7.5		±1.0
Pitch of lead	F	2.5	5.0		3.5	5.0±0.8		7.5±0.8	+0.8 -0.2
Width of mounting tape	W	18.0							±0.3
Width of adhesive tape	W ₀	5.0							MIN
Distance between center of driving hole and mounting tape edge	W ₁	9.0							±0.5
Max. allowable distance between mounting and adhesive tape edges	W ₂	1.5							MAX
Distance between center of driving hole and bottom of body	H	18.5		20.0		18.5 ^{+0.75} _{-0.5}			±0.75
Distance between center of driving hole and clinch part of lead	H ₀	—	16.0		—	—			±0.5
End of lead	L ₁	0.5							MAX
Dia. of driving hole	φD ₀	4.0							±0.2
Off alignment of body top	△h	1.0							MAX
Off alignment of body top	△p	1.0							MAX
Sum of thickness for mounting and adhesive tape without lead dia	t	0.6							±0.3
Quantity (pcs)		2000		1000		500		250	

※For the case that tolerance is specified individually,the value shall have the priority.

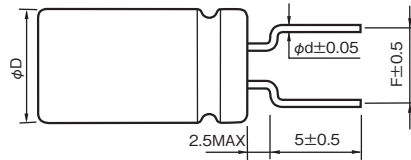
◆LEAD CUTTING FORMING SPECIFICATIONS

Rubycon provides lead-formed and lead-cut products to facilitate mounting on printed circuit boards, as well as products with leads specially processed (kink formed) for self supporting insertions to printed circuit boards.

•Lead forming

($\phi 5 \sim \phi 8$)

Lead forming code : FA

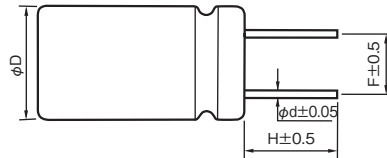


	(mm)		
ϕD	5	6.3	8
ϕd	0.5		0.6
F	5.0		

•Lead cutting

($\phi 5 \sim \phi 18$)

Lead cutting code : CA
CC
CE

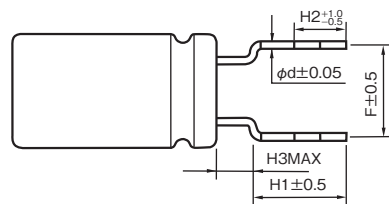
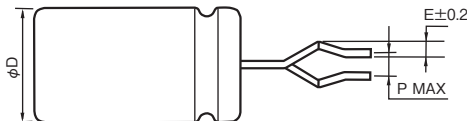


	(mm)							
ϕD	5	6.3	8	10	12.5	14.5	16	18
H	5.0 (CA) 4.0 (CC) 3.5 (CE)							
ϕd	0.5		0.6		0.8			
F	2.0	2.5	3.5	5.0		7.5		

•Kinked lead forming

($\phi 5 \sim \phi 8$)

Kinked lead forming code : KC

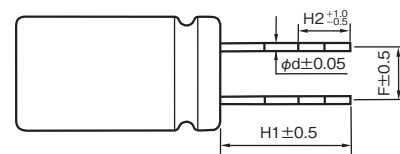
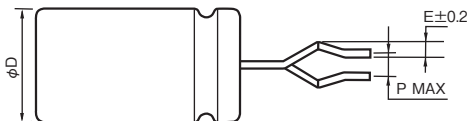


	(mm)							
ϕD	5	6.3	8	10	12.5	14.5	16	18
H1	4.5							
H2	2.8							
H3	2.5			—				
F	5.0					7.5		
P	1.0							
E	1.2			1.3				
ϕd	0.5		0.6			0.8		

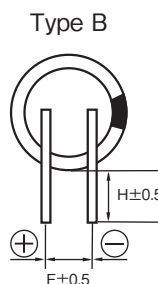
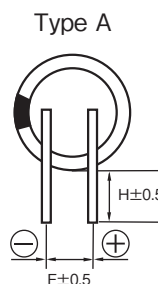
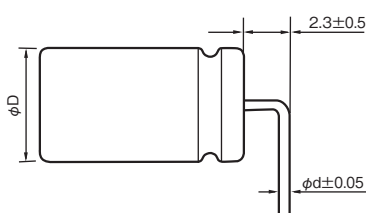
•Kinked lead cutting

($\phi 10 \sim \phi 18$)

Kinked lead cutting code : KC



•Low profile with horizontal mounting ($\phi 10 \sim \phi 18$)



ϕD	10, 12.5				14.5, 16, 18			
Code	RI	RK	RX	SG	RI	RK	RX	SG
ϕd	0.6				0.8			
F	5.0				7.5			
H	4.0		3.5		4.0		3.5	
Type	A	B	A	B	A	B	A	B