

Specifications for radial lead type

1. Part number system

1	6	S	L	4	R	7	M	+	T	S																																																										
Rated voltage		Series name		Rated capacitance			Capacitance tolerance		Taping or forming of terminal code																																																											
<table border="1"> <thead> <tr><th>Rated volt.</th><th>Code</th></tr> </thead> <tbody> <tr><td>2.0</td><td>2</td></tr> <tr><td>2.5</td><td>2R5*1</td></tr> <tr><td>4.0</td><td>4</td></tr> <tr><td>6.3</td><td>6</td></tr> <tr><td>10</td><td>10</td></tr> <tr><td>16</td><td>16</td></tr> <tr><td>20</td><td>20</td></tr> <tr><td>25</td><td>25</td></tr> <tr><td>30</td><td>30</td></tr> <tr><td>32</td><td>32</td></tr> </tbody> </table>		Rated volt.	Code	2.0	2	2.5	2R5*1	4.0	4	6.3	6	10	10	16	16	20	20	25	25	30	30	32	32	<table border="1"> <tbody> <tr><td>SC series</td></tr> <tr><td>SA series</td></tr> <tr><td>SL series</td></tr> <tr><td>SH series</td></tr> <tr><td>SP series</td></tr> <tr><td>SS series</td></tr> <tr><td>SEP series</td></tr> <tr><td>SEQP series</td></tr> <tr><td>SEPC series</td></tr> <tr><td>SF series</td></tr> </tbody> </table>		SC series	SA series	SL series	SH series	SP series	SS series	SEP series	SEQP series	SEPC series	SF series	<table border="1"> <thead> <tr><th>Rated cap.(μF)</th><th>Code</th></tr> </thead> <tbody> <tr><td>1</td><td>1</td></tr> <tr><td>2.2</td><td>2R2</td></tr> <tr><td>4.7</td><td>4R7</td></tr> <tr><td>10</td><td>10</td></tr> <tr><td>22</td><td>22</td></tr> <tr><td>100</td><td>100</td></tr> <tr><td>220</td><td>220</td></tr> <tr><td>1,000</td><td>1,000</td></tr> <tr><td>2,700</td><td>2,700</td></tr> </tbody> </table>			Rated cap.(μF)	Code	1	1	2.2	2R2	4.7	4R7	10	10	22	22	100	100	220	220	1,000	1,000	2,700	2,700	<table border="1"> <thead> <tr><th>Cap. tolerance</th><th>Code</th></tr> </thead> <tbody> <tr><td>±20%</td><td>M</td></tr> </tbody> </table>		Cap. tolerance	Code	±20%	M	<table border="1"> <tbody> <tr><td>Taping or lead terminal wire process code</td></tr> <tr><td>None suffix for regular length lead type products</td></tr> </tbody> </table>		Taping or lead terminal wire process code	None suffix for regular length lead type products
Rated volt.	Code																																																																			
2.0	2																																																																			
2.5	2R5*1																																																																			
4.0	4																																																																			
6.3	6																																																																			
10	10																																																																			
16	16																																																																			
20	20																																																																			
25	25																																																																			
30	30																																																																			
32	32																																																																			
SC series																																																																				
SA series																																																																				
SL series																																																																				
SH series																																																																				
SP series																																																																				
SS series																																																																				
SEP series																																																																				
SEQP series																																																																				
SEPC series																																																																				
SF series																																																																				
Rated cap.(μF)	Code																																																																			
1	1																																																																			
2.2	2R2																																																																			
4.7	4R7																																																																			
10	10																																																																			
22	22																																																																			
100	100																																																																			
220	220																																																																			
1,000	1,000																																																																			
2,700	2,700																																																																			
Cap. tolerance	Code																																																																			
±20%	M																																																																			
Taping or lead terminal wire process code																																																																				
None suffix for regular length lead type products																																																																				

*1 Code 2 is used for 2.5V products of B9,C6,C9,E9 and F13 size in SEPC series.

2. Lead terminal process

2-1. Applications

* The following table is a standard specification. Please contact us concerning other specifications and +S taping.

Series	Size code	Bag-packed products (lead terminal cutting)			Taping	
		Not processed	Forming cut	Straight cut		
Conductive polymer	SEP,SEQP	C6,E7,E12	○	×	+C3	+TSS
		F8,F13	○	×	+C3	+T
	SEPC	B9,C6,C9,E9,E12	○	×	+C3	+TSS(+S)
		E13	○	×	+C3	+TS
	F13	○	×	+C3	+T	
Organic semiconductor	SF	E1	○	×	×	+T,+TS
		C',E',C,D,E	○	×	×	+T,+TS
	SP	F,F	○	×	×	+T
		F0,G	○	×	×	×
	SC,SH	A,B	○	+CA,+CC,+CD,+F,+F1,+F2	+C3	+T,+TS
		C,D,E	○	+F,+F1,+F2	+C3	+T,+TS
	SA	F	○	×	+C3	+T
		C,D,E	○	+F,+F1,+F2	+C3	+T,+TS
		F	○	×	+C3	+T
	SL	A'	○	+CA,+CC,+CD,+F,+F1,+F2	×	+T,+TS
		B'	○	+CA,+CC,+CD,+F,+F1,+F2	+C3	+T,+TS
		C',E'	○	+F,+F1,+F2	+C3	+T,+TS
		F'	○	×	+C3	+T
	SS	A'	○	+CA,+CC,+CD,+F,+F1,+F2	×	+T,+TS
		B'	○	+CA,+CC,+CD,+F,+F1,+F2	+C3	+T,+TS
		C',D,E	○	+F,+F1,+F2	+C3	+T,+TS
		F	○	×	+C3	+T

2-2. Lead terminal cutting

Lead terminal cutting code	Process names	Size code (φD)	Dimensions (unit : mm)																
+CA +CC +CD	Lead space : 2.5mm forming cut	A, A' (φ4) B, B' (φ5)	<table border="1"> <thead> <tr><th></th><th>CA</th><th>CC</th><th>CD</th></tr> </thead> <tbody> <tr><th>L</th><td>5.5</td><td>4.0</td><td>2.5</td></tr> </tbody> </table>		CA	CC	CD	L	5.5	4.0	2.5								
	CA	CC	CD																
L	5.5	4.0	2.5																
+F +F1 +F2	Lead space : 5mm forming cut	A, A' (φ4) B, B' (φ5) C, C', D (φ6.3) E, E' (φ8)	<table border="1"> <thead> <tr><th></th><th>F</th><th>F1</th><th>F2</th></tr> </thead> <tbody> <tr><th>L</th><td>5.5</td><td>4.5</td><td>3.0</td></tr> </tbody> </table>		F	F1	F2	L	5.5	4.5	3.0								
	F	F1	F2																
L	5.5	4.5	3.0																
+C3	Straight cut	A (φ4) B, B', B9 (φ5) C, C', C6, C9, D (φ6.3) E, E', E7, E9, E12, E13 (φ8) F, F', F8, F13 (φ10)	<table border="1"> <thead> <tr><th></th><th>C3</th></tr> </thead> <tbody> <tr><th>L</th><td>3.5</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Size code</th> <th>A</th> <th>B, B', B9</th> <th>C,C',C6,C9,D</th> <th>E,E',E7,E9,E12,E13</th> <th>F,F',F8,F13</th> </tr> </thead> <tbody> <tr> <td>F</td> <td>2.0</td> <td>2.0</td> <td>2.5</td> <td>3.5</td> <td>5.0</td> </tr> </tbody> </table>		C3	L	3.5	Size code	A	B, B', B9	C,C',C6,C9,D	E,E',E7,E9,E12,E13	F,F',F8,F13	F	2.0	2.0	2.5	3.5	5.0
	C3																		
L	3.5																		
Size code	A	B, B', B9	C,C',C6,C9,D	E,E',E7,E9,E12,E13	F,F',F8,F13														
F	2.0	2.0	2.5	3.5	5.0														

2-3. Lead terminal taping

Taping code	F	Size code (ϕD)	Taping
+T	F=5.0mm	A,A' ($\phi 4$) B,B' ($\phi 5$) C,C',D ($\phi 6.3$) E,E' ($\phi 8$)	
		F,F',F8,F13 ($\phi 10$)	
+TS	F=2.5mm F=3.5mm	A,A' ($\phi 4$) B,B' ($\phi 5$)	
		C,C',D ($\phi 6.3$) E,E',E1,E13 ($\phi 8$)	
+TSS (+S)	F=2.0mm F=2.5mm F=3.5mm	B9 ($\phi 5$) C6,C9 ($\phi 6.3$) E7,E9,E12 ($\phi 8$)	

(unit : mm)

Code	F	P	P ₀	P ₁	P ₂	Δh	W	W ₀	W ₁	W ₂	H	H ₀	ϕD_0	t	ℓ	L	a	
Tolerance	$\begin{smallmatrix} +0.8 \\ -0.2 \end{smallmatrix}$	± 1.0	± 0.2	± 0.5	± 1.0	± 1.0	± 0.5	min.	± 0.5	max	± 0.75	± 0.5	± 0.2	± 0.3	max	max	max	
+T	$\phi 4$	5.0	12.7	12.7	3.85	6.35	0	18.0	9.5	9.0	2.5	18.5	16.0	4.0	0.6	0	11.0	-
	$\phi 5$	5.0	12.7	12.7	3.85	6.35	0	18.0	9.5	9.0	2.5	18.5	16.0	4.0	0.6	0	11.0	-
	$\phi 6.3$	5.0	12.7	12.7	3.85	6.35	0	18.0	9.5	9.0	2.5	18.5	16.0	4.0	0.6	0	11.0	-
	$\phi 8$	5.0	12.7	12.7	3.85	6.35	0	18.0	9.5	9.0	2.5	20.0	16.0	4.0	0.6	0	11.0	-
	$\phi 10$	5.0	12.7	12.7	3.85	6.35	0	18.0	9.5	9.0	2.5	18.5	-	4.0	0.6	0	11.0	-
+TS	$\phi 4$	2.5	12.7	12.7	5.10	6.35	0	18.0	9.5	9.0	2.5	17.5	-	4.0	0.6	0	11.0	1.5
	$\phi 5$	2.5	12.7	12.7	5.10	6.35	0	18.0	9.5	9.0	2.5	17.5	-	4.0	0.6	0	11.0	1.5
	$\phi 6.3$	2.5	12.7	12.7	5.10	6.35	0	18.0	9.5	9.0	2.5	17.5	-	4.0	0.6	0	11.0	-
	$\phi 8$	3.5	12.7	12.7	4.60	6.35	0	18.0	9.5	9.0	2.5	17.5	-	4.0	0.6	0	11.0	-
+TSS (+S)	$\phi 5$	2.0	12.7	12.7	5.35	6.35	0	18.0	9.5	9.0	2.5	17.5	-	4.0	0.6	0	11.0	-
	$\phi 6.3$	2.5	12.7	12.7	5.10	6.35	0	18.0	9.5	9.0	2.5	17.5	-	4.0	0.6	0	11.0	-
	$\phi 8$	3.5	12.7	12.7	4.60	6.35	0	18.0	9.5	9.0	2.5	17.5	-	4.0	0.6	0	11.0	-

3. Minimum packing quantity

Packing quantities standard · Processed type discrete lead terminals

Size code	Case size	pcs./Bag
A,A'	$\phi 4$	500
B,B',B9	$\phi 5$	500
C,C',C6,C9,D	$\phi 6.3$	500
E,E',E7,E9,E12,E13,E1	$\phi 8$	200
F,F',F8,F13	$\phi 10$	200
F ₀	$\phi 10$	100
G	$\phi 12.5$	50
H	$\phi 16$	25

Zig-zag pack taping type

Size code	Case size	pcs./Box
A,A'	$\phi 4$	2,000
B,B',B9	$\phi 5$	2,000
C,C',C6,C9,D	$\phi 6.3$	1,500
E,E',E7,E9,E12,E13,E1	$\phi 8$	1,000
F,F',F8,F13	$\phi 10$	500

 ※ Ordering information
 $\phi 10$ (F₀), $\phi 12.5$ and $\phi 16$ are packing type only.