

RADIAL LEAD, POLARIZED, EXTENDED TEMPERATURE

## FEATURES

- HIGH CAPACITANCE (TO 22,000 $\mu$ F)
- HIGH VOLTAGE (TO 450Vdc)
- REDUCED SIZE

**RoHS  
Compliant**  
includes all homogeneous materials

\*See Part Number System for Details



## CHARACTERISTICS

Rated Voltage Range		6.3 ~ 100VDC				160 ~ 250Vdc			350 ~ 450Vdc		
Capacitance Range		1.0 ~ 22,000 $\mu$ F				1.0 ~ 330 $\mu$ F			1.0 ~ 100 $\mu$ F		
Operating Temperature Range		-55°C ~ +105°C				-40°C ~ +105°C			-25°C ~ +105°C		
Capacitance Tolerance		±20% (M)									
Maximum Leakage Current		0.01CV or 3 $\mu$ A whichever is greater after 2 min.				0.1CV +40 $\mu$ A after 1 min. 0.03CV +15 $\mu$ A after 5 min.			0.04CV +100 $\mu$ A after 1 min. 0.02CV +25 $\mu$ A after 5 min.		
Max. Tan $\delta$ at 120Hz/20°C	W.V. (Vdc)	6.3	10	16	25	35	50	63	100	160~250	350~450
	S.V. (Vdc)	8	13	20	32	44	63	79	125	-	-
	C $\leq$ 1,000 $\mu$ F	0.26	0.22	0.18	0.16	0.14	0.12	0.10	0.08	0.20	0.24
	C = 2,200 $\mu$ F	0.28	0.24	0.20	0.18	0.16	0.14	0.12	-	-	-
	C = 3,300 $\mu$ F	0.30	0.26	0.22	0.20	0.18	0.16	-	-	-	-
	C = 4,700 $\mu$ F	0.32	0.28	0.24	0.22	0.20	-	-	-	-	-
	C = 6,800 $\mu$ F	0.36	0.32	0.28	0.26	-	-	-	-	-	-
	C = 10,000 $\mu$ F	0.44	0.40	0.36	-	-	-	-	-	-	-
Low Temperature Stability Impedance Ratio @ 120Hz	Z-25°C/Z+20°C	4	3	2	2	2	2	2	2	3	6
	Z-55°C/Z+20°C	8	6	4	4	3	3	3	3	-	-
Load Life Test @ 105°C	Duration	$\phi$ D $\leq$ 8: 1,000 hours, $\phi$ D $\geq$ 10: 2,000 hours, $\phi$ D $\geq$ 12.5: 3,000 hours									
	$\Delta$ Capacitance	Within $\pm$ 25% of initial measured value									
	$\Delta$ Tan $\delta$	Less than 200% of specified value									
	$\Delta$ LC	Less than specified value									

## STANDARD PRODUCT AND CASE SIZE TABLE D $\phi$ xL (mm)

Capacitance ( $\mu$ F)	Code	Working Voltage (Vdc)							
		6.3	10	16	25	35	50	63	
1.0	1R0	-	-	-	-	-	5x11	-	
2.2	2R2	-	-	-	-	-	5x11	-	
3.3	3R3	-	-	-	-	-	5x11	-	
4.7	4R7	-	-	-	-	-	5x11	-	
10	100	-	-	-	-	-	5x11	5x11	
22	220	-	-	-	-	5x11	5x11	5x11	
33	330	-	-	-	5x11	5x11	5x11	6.3x11	
47	470	-	-	5x11	5x11	5x11	6.3x11	6.3x11	
100	101	5x11	5x11	5x11	6.3x11	6.3x11	8x11.5	10x12.5	
220	221	5x11	6.3x11	6.3x11	8x11.5	10x12.5	10x12.5	10x16	
330	331	6.3x11	6.3x11	8x11.5	10x12.5	10x12.5	10x16	10x20	
470	471	6.3x11	8x11.5	8x11.5	10x12.5	10x16	10x20	12.5x20	
1000	102	8x11.5	10x12.5	10x16	10x20	12.5x20	12.5x25	16x25	
2200	222	10x16	10x20	12.5x20	12.5x25	16x25	16x35.5	18x35.5	
3300	332	10x20	12.5x20	12.5x25	16x25	16x35.5	18x35.5	-	
4700	472	12.5x20	12.5x25	16x25	16x31.5	18x35.5	-	-	
6800	682	12.5x25	16x25	16x31.5	18x35.5	-	-	-	
10000	103	16x25	16x35.5	18x35.5	-	-	-	-	
15000	153	16x35.5	18x35.5	-	-	-	-	-	
22000	223	18x40	-	-	-	-	-	-	

### PRECAUTIONS

Please review the notes on correct use, safety and precautions found on pages T10 & T11 of NIC's Electrolytic Capacitor catalog.  
Also found at [www.niccomp.com/precautions](http://www.niccomp.com/precautions)  
If in doubt or uncertainty, please review your specific application - process details with NIC's technical support personnel: [tpmg@niccomp.com](mailto:tpmg@niccomp.com)



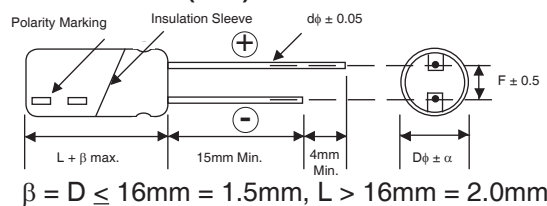
### STANDARD PRODUCT AND CASE SIZE TABLE DφxL (mm)

Capacitance (μF)	Code	Working Voltage (Vdc)						
		100	160	200	250	350	400	450
1.0	1R0	5x11	-	-	6.3x11	6.3x11	6.3x11	8x11.5
2.2	2R2	5x11	-	-	6.3x11	8x11.5	10x12.5	10x12.5
3.3	3R3	5x11	-	6.3x11	8x11.5	10x12.5	10x12.5	10x16
4.7	4R7	5x11	6.3x11	8x11.5	8x11.5	10x12.5	10x16	10x20
10	100	5x11	8x11.5	10x12.5	10x16	10x20	12.5x20	12.5x20
22	220	6.3x11	10x16	10x20	12.5x20	12.5x25	12.5x25	16x25
33	330	8x11.5	10x20	12.5x20	12.5x20	16x25	16x25	16x31.5
47	470	10 x12.5	12.5x20	12.5x20	12.5x25	16x31.5	16x31.5	16x35.5
100	101	10x20	12.5x25	16x25	16x31.5	18x40	18x40	-
220	221	12.5x25	16x35.5	18x35.5	-	-	-	-
330	331	12.5x25	18x35.5	-	-	-	-	-
470	471	16x25	-	-	-	-	-	-
1000	102	18x40	-	-	-	-	-	-

### LEAD SPACING AND DIAMETER (mm)

Case Dia. (Dφ)	5	6.3	8	10	12.5	16	18
Lead Dia. (Dφ)	0.5	0.5	0.6	0.6	0.6	0.8	0.8
Lead Spacing (F)	2.0	2.5	3.5	5.0	5.0	7.5	7.5
Dim. α	0.5	0.5	0.5	0.5	0.5	0.5	0.5

### DIMENSIONS (mm)



Drawing is representative of parts as supplied in bulk or straight lead format, please see taping specification for details on taped format packaging.

### STANDARD VALUES, SPECIFICATIONS AND CASE SIZES (mm)

Part Number	Cap. (μF)	W.V. (Vdc)	Dissipation Factor +20°C/120Hz	Ripple Current Rating (mA) +105°C/120Hz	Max. ESR (Ω) +20°C/120Hz	Load Life Hours @ +105°C
NRWY101M6.3V5x11F	100	6.3	0.26	96	4.31	1,000
NRWY221M6.3V5x11F	220		0.26	160	1.96	1,000
NRWY331M6.3V6.3x11F	330		0.26	210	1.31	1,000
NRWY471M6.3V6.3x11F	470		0.26	275	0.92	1,000
NRWY102M6.3V8x11.5F	1000		0.26	460	0.43	1,000
NRWY222M6.3V10x16F	2200		0.28	775	0.21	2,000
NRWY332M6.3V10x20F	3300		0.30	985	0.15	2,000
NRWY472M6.3V12.5x20F	4700		0.32	1150	0.11	3,000
NRWY682M6.3V12.5x25F	6800		0.36	1480	0.09	3,000
NRWY103M6.3V16x25F	10000		0.44	1700	0.07	3,000
NRWY153M6.3V16x35.5F	15000		0.54	2090	0.06	3,000
NRWY223M6.3V18x40F	22000		0.68	2360	0.05	3,000
NRWY101M10V5x11F	100	10	0.22	105	3.65	1,000
NRWY221M10V6.3x11F	220		0.22	175	1.66	1,000
NRWY331M10V6.3x11F	330		0.22	235	1.11	1,000
NRWY471M10V8x11.5F	470		0.22	295	0.78	1,000
NRWY102M10V10x12.5F	1000		0.22	540	0.36	2,000
NRWY222M10V10x20F	2200		0.24	860	0.18	2,000
NRWY332M10V12.5x20F	3300		0.26	1100	0.13	3,000
NRWY472M10V12.5x25F	4700		0.28	1350	0.10	3,000
NRWY682M10V16x25F	6800		0.32	1700	0.08	3,000
NRWY103M10V16x35.5F	10000		0.40	1950	0.07	3,000
NRWY153M10V18x35.5F	15000		0.50	2180	0.06	3,000
NRWY470M16V5x11F	47		16	0.18	80	6.35
NRWY101M16V5x11F	100	0.18		130	2.99	1,000
NRWY221M16V6.3x11F	220	0.18		220	1.36	1,000
NRWY331M16V8x11.5F	330	0.18		270	0.90	1,000
NRWY471M16V8x11.5F	470	0.18		375	0.64	1,000
NRWY102M16V10x16F	1000	0.18		640	0.30	2,000
NRWY222M16V12.5x20F	2200	0.20		1050	0.15	3,000
NRWY332M16V12.5x25F	3300	0.22		1300	0.11	3,000
NRWY472M16V16x25F	4700	0.24		1650	0.08	3,000
NRWY682M16V16x31.5F	6800	0.28		1900	0.07	3,000
NRWY103M16V18x35.5F	10000	0.36		2000	0.06	3,000



## STANDARD VALUES, SPECIFICATIONS AND CASE SIZES (mm)

Part Number	Cap. (μF)	W.V. (Vdc)	Dissipation Factor +20°C/120Hz	Ripple Current Rating (mA) +105°C/120Hz	Max. ESR (Ω) +20°C/120Hz	Load Life Hours @+105°C	
NRWY330M25V5x11F	33	25	0.16	69	8.04	1,000	
NRWY470M25V5x11F	47		0.16	84	5.65	1,000	
NRWY101M25V6.3x11F	100		0.16	140	2.65	1,000	
NRWY221M25V8x11.5F	220		0.16	240	1.21	1,000	
NRWY331M25V10x12.5F	330		0.16	335	0.80	2,000	
NRWY471M25V10x12.5F	470		0.16	440	0.56	2,000	
NRWY102M25V10x20F	1000		0.16	740	0.27	2,000	
NRWY222M25V12.5x25F	2200		0.18	1230	0.14	3,000	
NRWY332M25V16x25F	3300		0.20	1500	0.10	3,000	
NRWY472M25V16x31.5F	4700		0.22	1800	0.08	3,000	
NRWY682M25V18x35.5F	6800		0.26	2050	0.06	3,000	
NRWY220M35V5x11F	22	35	0.14	64	10.56	1,000	
NRWY330M35V5x11F	33		0.14	77	7.04	1,000	
NRWY470M35V5x11F	47		0.14	100	4.94	1,000	
NRWY101M35V6.3x11F	100		0.14	170	2.32	1,000	
NRWY221M35V10x12.5F	220		0.14	300	1.06	2,000	
NRWY331M35V10x12.5F	330		0.14	400	0.70	2,000	
NRWY471M35V10x16F	470		0.14	525	0.49	2,000	
NRWY102M35V12.5x20F	1000		0.14	865	0.23	3,000	
NRWY222M35V16x25F	2200		0.16	1370	0.12	3,000	
NRWY332M35V16x35.5F	3300		0.18	1680	0.09	3,000	
NRWY472M35V18x35.5F	4700		0.20	1920	0.07	3,000	
NRWY1R0M50V5x11F	1.0	50	0.12	13	90.47	1,000	
NRWY2R2M50V5x11F	2.2		0.12	20	60.32	1,000	
NRWY3R3M50V5x11F	3.3		0.12	25	42.35	1,000	
NRWY4R7M50V5x11F	4.7		0.12	32	19.90	1,000	
NRWY100M50V5x11F	10		0.12	47	9.05	1,000	
NRWY220M50V5x11F	22		0.12	70	6.03	1,000	
NRWY330M50V5x11F	33		0.12	94	4.23	1,000	
NRWY470M50V6.3x11F	47		0.12	115	1.99	1,000	
NRWY101M50V8x11.5F	100		0.12	200	0.90	1,000	
NRWY221M50V10x12.5F	220		0.12	360	0.60	2,000	
NRWY331M50V10x16F	330		0.12	470	0.42	2,000	
NRWY471M50V10x20F	470		0.12	600	0.20	2,000	
NRWY102M50V12.5x25F	1000		0.12	1060	0.11	3,000	
NRWY222M50V16x35.5F	2200		0.14	1600	0.08	3,000	
NRWY332M50V18x35.5F	3300		0.16	1780	0.03	3,000	
NRWY100M63V5x11F	10		63	0.10	48	16.59	1,000
NRWY220M63V5x11F	22			0.10	80	7.54	1,000
NRWY330M63V6.3x11F	33			0.10	100	5.03	1,000
NRWY470M63V6.3x11F	47			0.10	140	3.53	1,000
NRWY101M63V10x12.5F	100	0.10		230	1.66	2,000	
NRWY221M63V10x16F	220	0.10		390	0.75	2,000	
NRWY331M63V10x20F	330	0.10		540	0.50	2,000	
NRWY471M63V12.5x20F	470	0.10		700	0.35	3,000	
NRWY102M63V16x25F	1000	0.10		1200	0.17	3,000	
NRWY222M63V18x35.5F	2200	0.12		1650	0.09	3,000	
NRWY1R0M100V5x11F	1.0	100		0.08	15	132.70	1,000
NRWY2R2M100V5x11F	2.2		0.08	21	60.32	1,000	
NRWY3R3M100V5x11F	3.3		0.08	30	40.21	1,000	
NRWY4R7M100V5x11F	4.7		0.08	35	28.23	1,000	
NRWY100M100V5x11F	10		0.08	60	13.27	1,000	
NRWY220M100V6.3x11F	22		0.08	98	6.03	1,000	
NRWY330M100V8x11.5F	33		0.08	140	4.02	1,000	

## STANDARD VALUES, SPECIFICATIONS AND CASE SIZES (mm)

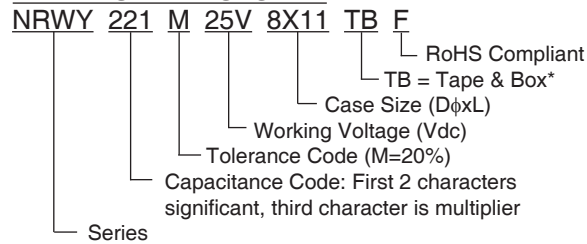
Part Number	Cap. (μF)	W.V. (Vdc)	Dissipation Factor +20°C/120Hz	Ripple Current Rating (mA) +105°C/120Hz	Max. ESR (Ω) +20°C/120Hz	Load Life Hours @+105°C
NRWY470M100V10 x12.5F	47	100	0.08	185	2.82	2,000
NRWY1010M100V10x20F	100		0.08	290	1.33	2,000
NRWY221M100V12.5x25F	220		0.08	560	0.60	3,000
NRWY331M100V12.5x25F	330		0.08	690	0.40	3,000
NRWY471M100V16x25F	470		0.08	880	0.28	3,000
NRWY102M100V18x40F	1000		0.08	985	0.13	3,000
NRWY4R7M160V6.3x11F	4.7	160	0.20	43	70.58	1,000
NRWY100M160V8x11.5F	10		0.20	77	33.17	1,000
NRWY220M160V10x16F	22		0.20	125	15.08	2,000
NRWY330M160V10x20F	33		0.20	170	10.05	2,000
NRWY470M160V12.5x20F	47		0.20	210	7.06	3,000
NRWY101M160V12.5x25F	100		0.20	320	3.32	3,000
NRWY221M160V16x35.5F	220		0.20	580	1.51	3,000
NRWY331M160V18x35.5F	330		0.20	700	1.01	3,000
NRWY3R3M200V6.3x11F	3.3	200	0.20	36	100.53	1,000
NRWY4R7M200V8x11.5F	4.7		0.20	50	70.58	1,000
NRWY100M200V10x12.5F	10		0.20	80	33.17	2,000
NRWY220M200V10x20F	22		0.20	135	15.08	2,000
NRWY330M200V12.5x20F	33		0.20	200	10.05	3,000
NRWY470M200V12.5x20F	47		0.20	220	7.06	3,000
NRWY101M200V16x25F	100		0.20	340	3.32	3,000
NRWY221M200V18x35.5F	220		0.20	580	1.51	3,000
NRWY1R0M250V6.3x11F	1.0	250	0.20	16	331.74	1,000
NRWY2R2M250V6.3x11F	2.2		0.20	30	150.79	1,000
NRWY3R3M250V8x11.5F	3.3		0.20	43	100.53	1,000
NRWY4R7M250V8x11.5F	4.7		0.20	53	70.58	1,000
NRWY100M250V10x16F	10		0.20	90	33.17	2,000
NRWY220M250V12.5x20F	22		0.20	150	15.08	3,000
NRWY330M250V12.5x20F	33		0.20	200	10.05	3,000
NRWY470M250V12.5x25F	47		0.20	240	7.06	3,000
NRWY101M250V16x31.5F	100		0.20	400	3.32	3,000
NRWY1R0M350V6.3x11F	1.0		350	0.24	16	398.09
NRWY2R2M350V8x11.5F	2.2	0.24		31	180.95	1,000
NRWY3R3M350V10x12.5F	3.3	0.24		45	120.63	2,000
NRWY4R7M350V10x12.5F	4.7	0.24		55	84.70	2,000
NRWY100M350V10x20F	10	0.24		95	39.81	2,000
NRWY220M350V12.5x25F	22	0.24		175	18.09	3,000
NRWY330M350V16x25F	33	0.24		220	12.06	3,000
NRWY470M350V16x31.5F	47	0.24		260	8.47	3,000
NRWY101M40V18x40F	100	0.24		415	3.98	3,000
NRWY1R0M400V6.3x11F	1.0	400		0.24	16	398.09
NRWY2R2M400V10x12.5F	2.2		0.24	31	180.95	2,000
NRWY3R3M400V10x12.5F	3.3		0.24	41	120.63	2,000
NRWY4R7M400V10x16F	4.7		0.24	55	84.70	2,000
NRWY100M400V12.5x20F	10		0.24	85	39.81	3,000
NRWY220M400V12.5x25F	22		0.24	170	18.09	3,000
NRWY330M400V16x25F	33		0.24	220	12.06	3,000
NRWY470M400V16x31.5F	47		0.24	275	8.47	3,000
NRWY101M400V18x40F	100	0.24	415	3.98	3,000	
NRWY1R0M450V8x11.5F	1.0	450	0.24	15	398.09	1,000
NRWY2R2M450V10x12.5F	2.2		0.24	25	180.95	2,000
NRWY3R3M450V10x16F	3.3		0.24	33	120.63	2,000
NRWY4R7M450V10x20F	4.7		0.24	42	84.70	2,000
NRWY100M450V12.5x20F	10		0.24	67	39.81	3,000
NRWY220M450V16x25F	22		0.24	115	18.09	3,000
NRWY330M450V16x31.5F	33		0.24	155	12.06	3,000
NRWY470M450V16x35.5F	47		0.24	185	8.47	3,000



## RIPPLE CURRENT FREQUENCY CORRECTION FACTOR

Cap. Value ( $\mu$ F)	Frequency (Hz)				
	50(60)	120	500	1K	10K>
1.0	0.50	1.0	1.20	1.30	1.50
2.2 ~ 4.7	0.65	1.00	1.20	1.30	1.50
10 ~ 47	0.80	1.00	1.20	1.30	1.50
100 ~ 1000	0.80	1.00	1.10	1.15	1.20
2200 ~ 22000	0.80	1.00	1.05	1.10	1.15

### PART NUMBER SYSTEM



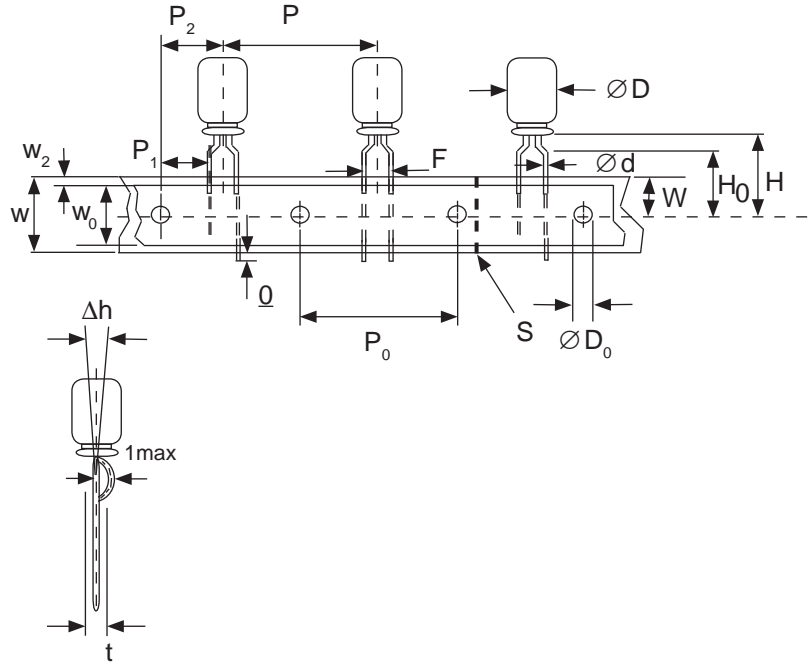
\*see taping specifications for details

# Miniature Aluminum Electrolytic Capacitors Taping Specifications

## STANDARD RADIAL TAPING (5mm LEAD SPACING, FORMED LEADS) TB

Taping Dimensions (mm)

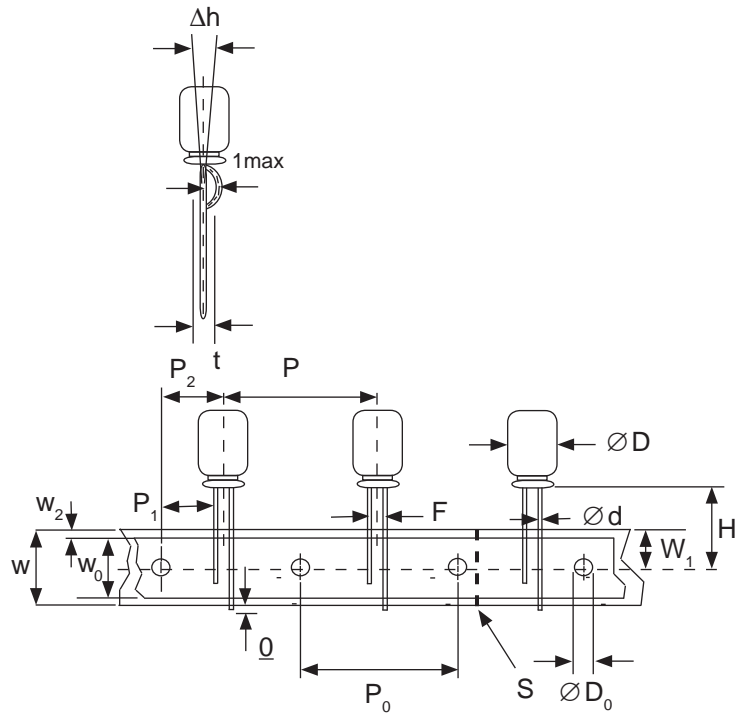
Case Dia. (D $\phi$ )	4	5	6.3	8
Case Size	4x5 4x7	5x5 5x7	5x11	6.3x5 6.3x7 6.3x11 8x11.5
d $\phi$ $\pm$ 0.05	0.45	0.45	0.5	0.45
H $\pm$ 0.75	17.5	17.5	18.5	17.5
F +0.8 ~ -0.2	5.0 -0.2 ~ +0.8			
P	12.7 $\pm$ 1.0			
P <sub>0</sub>	12.7 $\pm$ 0.2			
P <sub>1</sub>	3.85 $\pm$ 0.5 (at end of tape)			
P <sub>2</sub>	6.35 $\pm$ 1.0			
W	18.0 $\pm$ 0.5			
W <sub>0</sub>	11.5 min.			
W <sub>1</sub>	9.0 $\pm$ 0.5			
W <sub>2</sub>	0 ~ 2.5			
H <sub>0</sub>	16.0 $\pm$ 0.5			
l	1.0 max.			
D <sub>0</sub> $\phi$	4.0 $\pm$ 0.2			
$\Delta$ h	0 $\pm$ 1.0 (at top of can)			
t	0.7 $\pm$ 0.2 (not including lead)			



## STANDARD RADIAL TAPING (5mm LEAD SPACING, STRAIGHT LEADS) TB

Taping Dimensions (mm)

Case Dia. (D $\phi$ )	10	12.5
Case Size	All	All
d $\phi$ $\pm$ 0.05	0.6	0.6
H $\pm$ 0.75	19.0	19.0
F +0.8 ~ -0.2	5.0	5.0
P $\pm$ 1.0	25.4*	
P <sub>0</sub>	12.7 $\pm$ 0.2	
P <sub>1</sub>	3.85	
P <sub>2</sub>	6.35 $\pm$ 1.0	
W	18.0 $\pm$ 0.5	
W <sub>0</sub>	11.5 min	
W <sub>1</sub>	9.0 $\pm$ 0.5	
W <sub>2</sub>	0 ~ 2.5	
H <sub>0</sub>	16.0 $\pm$ 0.5	
l	1.0 max.	
D <sub>0</sub> $\phi$	4.0 $\pm$ 0.2	
$\Delta$ h	0 $\pm$ 1.0 (at top of can)	
t	0.7 $\pm$ 0.2 (not including lead)	



### \*Optional Taping Specifications

10mm diameter available with P dim. = 12.7mm  
(P/N Suffix: TB12.7MMP)

12.5mm diameter available with P dim. = 15mm, P<sub>1</sub> = 5.0mm,  
P<sub>0</sub> = 15.0mm & P<sub>2</sub> = 7.5mm (P/N Suffix: TB15MMP)

**NOTE:** ANODE (+) LEAD FEEDS OFF FIRST.  
FOR OPTION OF NEGATIVE (-) LEAD FIRST,  
SPECIFY "TBN".

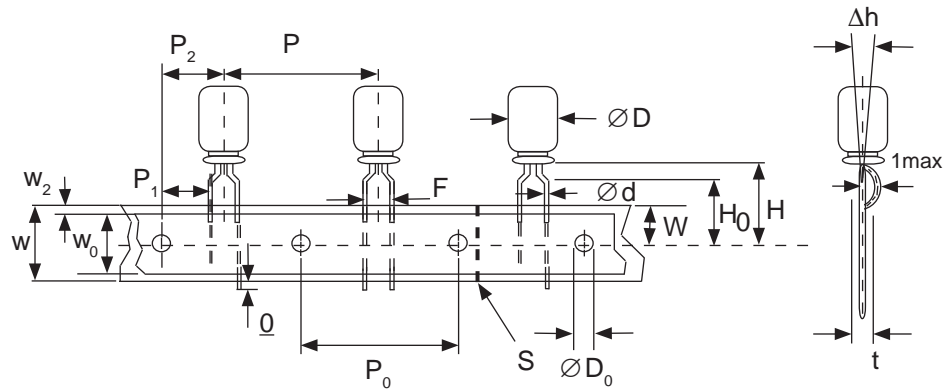


# Miniature Aluminum Electrolytic Capacitors Taping Specifications

## SPECIAL RADIAL TAPING (2.5mm LEAD SPACING, FORMED LEADS) TBF1

Taping Dimensions (mm)

Case Dia. (D $\phi$ )	4		5	
Case Size Dim.	4x5 4x7	5x5 5x7	5x11	
d $\phi$ $\pm$ 0.05	0.45	0.45	0.5	
H $\pm$ 0.75	17.5	17.5	18.5	
H <sub>0</sub> $\pm$ 0.5	16.0	-	-	
F	2.5 -0.2 ~ +0.8			
P	12.7 $\pm$ 1.0			
P <sub>0</sub>	12.7 $\pm$ 0.2			
P <sub>1</sub>	5.1 $\pm$ 0.5			
P <sub>2</sub>	6.35 $\pm$ 1.0			
W	18.0 $\pm$ 0.5			
W <sub>0</sub>	11.5 min.			
W <sub>1</sub>	9.0 $\pm$ 0.5			
W <sub>2</sub>	0 ~ 1.5			
l	1.0 max.			
D <sub>0</sub> $\phi$	4.0 $\pm$ 0.2			
$\Delta$ h	0 $\pm$ 1.0			
t	0.7 $\pm$ 0.2			

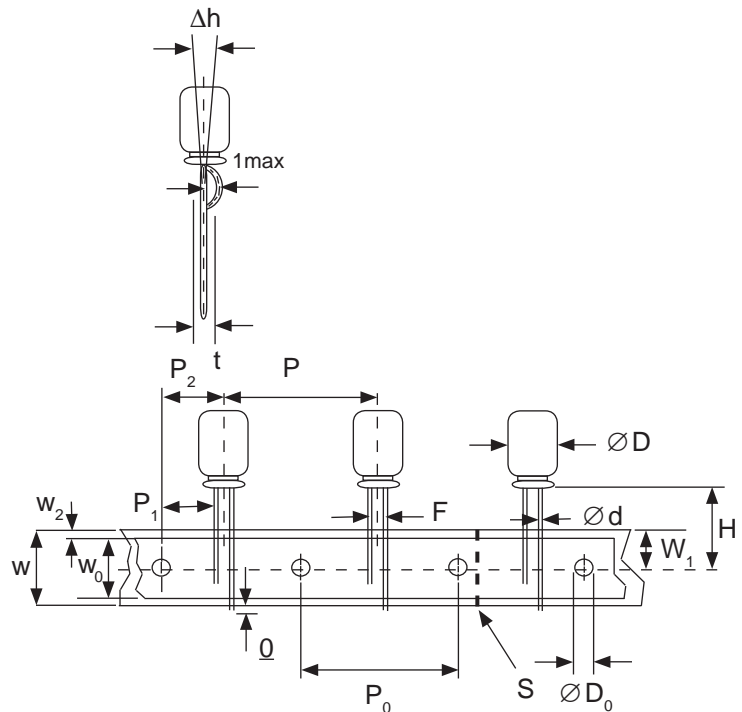


## SPECIAL STRAIGHT LEAD TAPING TBST

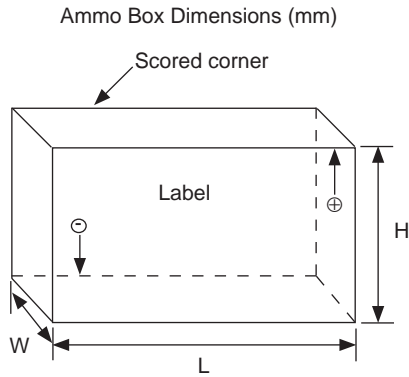
Taping Dimensions (mm)

Case Dia. (D $\phi$ )	4			5			6.3		8	
Case Size Dim.	4x5 4x7	5x5 5x7	5x11		6.3x5 6.3x7	6.3x11		8x11.5		
d $\phi$ $\pm$ 0.05	0.45	0.45	0.5		0.45	0.5		0.6		
H $\pm$ 0.75	17.5	17.5	18.5		17.5	18.5		20.0		
F +0.8 ~ -0.2	2.0*	2.0	2.0		2.5	2.5		3.5		
P $\pm$ 1.0	12.7 $\pm$ 0.2									
P <sub>0</sub>	12.7 $\pm$ 0.2									
P <sub>1</sub>	5.1	5.1	5.1	5.1	5.1	5.1	4.6			
P <sub>2</sub>	6.35 $\pm$ 1.0									
W	18.0 $\pm$ 0.5									
W <sub>0</sub>	11.5 min.									
W <sub>1</sub>	9.0 $\pm$ 0.5									
W <sub>2</sub>	0 ~ 2.5									
H <sub>0</sub>	16.0 $\pm$ 0.5									
l	1.0 max.									
D <sub>0</sub> $\phi$	4.0 $\pm$ 0.2									
$\Delta$ h	0 $\pm$ 1.0 (at top of can)									
t	0.7 $\pm$ 0.2 (not including lead)									

\* Parts with 4mm diameter are taped with a slight flare in the lead and a 2.0mm lead-space.



## RADIAL TAPED PACKAGING



Ammo Box (Tape & Box) TB, TBF1, TBST

Size of box and component quantity

Case Dia (D $\phi$ ) or Case Size	Q'ty per Box (pcs)	Dim. L	Dim. H	Dim. W
4x5, 4x7	2,000	331	175	43
5x5, 5x7	2,000	331	220	43
5x11	2,000	340	255	55
6.3x5, 6.3x7	2,000	331	280	43
6.3x11	2,000	331	280	48
8x11.5, 8x12.5	1,000	335	235	53
10x12.5*	500	335	190	53
10x16*	500	335	300	53
10x20*	500	335	300	55
12.x20*	500	335	300	55
12.5x25*	500	335	300	61

\*Special Taping Consult Factory For Availability