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SOUNDER

NON-POLAR ELECTROLYTIC CAPACITORS

V.2017.09

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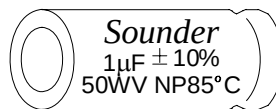
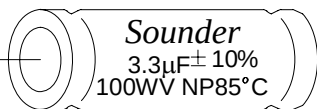
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"SOUNDER" BI-POLAR ELECTROLYTIC CAPACITORS - B05A & B05R SERIES

1) FIGURE : S05A (AXIAL)

S05R (RADIAL)



LEAD WIRE DIA AT mm, TOL. ± 0.05 mm (AXIAL DIA 12Ø LEAD DIA MAYBE 0.6 mm)

CASE DIA	8Ø	10Ø	12Ø	13Ø	16Ø	18Ø	20Ø	22Ø	25Ø
AXIAL	0.6	0.6	08	0.8	0.8	0.8	0.8	0.8	0.8
RADIAL	0.5	0.6	-	0.6	0.8	0.8	0.8	0.8	0.8

LEAD LENGTH : AXIAL min. 30mm., RADIAL min. 20 mm & 25 mm

RADIAL LEAD PITCH AT mm TOL. ± 0.5 mm

CASE DIA	8Ø	10Ø	13Ø	16Ø	18Ø	20Ø	22Ø	25Ø
LEAD PITCH	3.5	5.0	5.0	7.5	7.5	0.8	10.0	12.5

2) CAP. TOL. RANGE

: ± 10% (K), or ± 5% (J) @1KHZ

3) LEAKAGE

: Max 0.04 CV +3μA AFTER CHARGE 5 MINUTES AT25°C

4) TEMP. RANGE

: - 40°C TO +85°C

5) SURGE VOLT

: 63V FOR 50WV, 125V FOR 100WV

6) MAX. D.F.

: Max 5% @1KHZ.

7) MARKING

: SOUNDER

xxxμF xxx V

NP 85°C

8) Sleeve Standard color : BLACK, DARK BLUE

9) CASE SIZE (DxL) TABLE (FOR STANDARD VALUE) - AT mm, TOL. ± 1 mm

SERIES		S05A (AXIAL)		S05R (RADIAL)	
MFD	WV	50 WV (D x L)	100 WV (D x L)	50 WV (D x L)	100 WV (D x L)
	1.0	10 x 18	10 x 18	8 x 13	10 x 15
	1.5	10 x 18	10 x 18	8 x 13	10 x 15
	2.2	10 x 18	10 x 18	8 x 13	10 x 15
	2.7	10 x 18	10 x 18	8 x 13	10 x 15
	3.3	10 x 18	10 x 18	10 x 13	10 x 15
	3.9	10 x 18	12 x 26	10 x 20	10 x 20
	4.7	10 x 18	12 x 26	10 x 20	10 x 20
	5.6	10 x 18	12 x 26	10 x 20	10 x 20
	6.8	12 x 26	12 x 26	10 x 20	10 x 20
	7.5	12 x 26	12 x 26	10 x 20	10 x 20
	8.2	12 x 26	12 x 26	10 x 20	13 x 21
	10	12 x 26	12 x 31	10 x 20	13 x 21
	12	12 x 26	12 x 31	10 x 20	13 x 21
	15	12 x 26	12 x 31	13 x 21	13 x 26
	18	12 x 26	12 x 31	13 x 21	13 x 26
	22	12 x 31	12 x 31	13 x 26	13 x 26
	27	12 x 31	12 x 31	13 x 26	13 x 26
	33	12 x 31	13 x 31	13 x 26	13 x 26
	47	16 x 34	16 x 34	16 x 27	16 x 27
	56	16 x 34	16 x 34	16 x 27	16 x 27
	68	16 x 34	16 x 34	16 x 27	16 x 27
	75	16 x 34	16 x 42	16 x 27	16 x 36
	82	16 x 34	16 x 42	16 x 27	16 x 36
	100	16 x 34	18 x 42	16 x 27	18 x 36
	120	16 x 34	18 x 42	16 x 27	18 x 36
	150	16 x 42	22 x 44	16 x 36	22 x 37
	180	18 x 42	22 x 44	18 x 36	22 x 37
	220	22 x 44	25 x 46	22 x 37	25 x 38

** ANY SPECIAL VALUE ARE ACCEPTABLE, ITS SIZE TO BE PROVIDED UPON REQUESTED

** SIZE MAYBE CHANGED W/O NOTICE., SPECIAL SIZE IS ACCEPTABLE

** Here we only accept to use the following sleeve color for the full compliance with the Sony SS-00259 (the sleeve must be use PET material) : **Black , Dark blue**

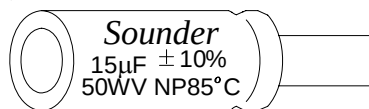
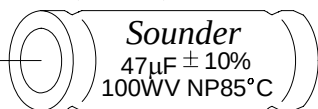
Or all other color will be accepted only based M.O.Q. 500K per order for each item, otherwise unless you could accept non-compliance Sony SS-00259 (Still compliance with RoHS required).



"SOUNDER" BI-POLAR ELECTROLYTIC CAPACITORS - S10A & S10R SERIES

1) FIGURE : S10A (AXIAL)

S10R (RADIAL)



LEAD WIRE DIA AT mm, TOL. ± 0.05 mm (AXIAL DIA 12Ø LEAD DIA MAYBE 0.6 mm)

CASE DIA	8Ø	10Ø	12Ø	13Ø	16Ø	18Ø	20Ø	22Ø	25Ø
AXIAL	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
RADIAL	0.5	0.6	-	0.6	0.8	0.8	0.8	0.8	0.8

LEAD LENGTH : AXIAL min. 30mm., RADIAL min. 20 mm & 25 mm

RADIAL LEAD PITCH AT mm TOL. ± 0.5 mm

CASE DIA	8Ø	10Ø	13Ø	16Ø	18Ø	20Ø	22Ø	25Ø
LEAD PITCH	3.5	5.0	5.0	7.5	7.5	0.8	10.0	12.5

2) CAP. TOL. RANGE

: ± 10% (K), or ± 5% (J) @1KHZ

3) LEAKAGE

: Max 0.04 CV +3µA AFTER CHARGE 5 MINUTES AT25°C

4) TEMP. RANGE

: - 40°C TO +85°C

5) SURGE VOLT

: 63V FOR 50WV, 125V FOR 100WV

6) MAX. D.F.

: Max 10% @1KHZ.

7) MARKING

: SOUNDER

xxxµF xxx V

NP 85°C

8) Sleeve Standard color : BLACK, DARK BLUE

9) CASE SIZE (DxL) TABLE (FOR STANDARD VALUE) - AT mm, TOL. ± 1 mm

SERIES		S10A (AXIAL)		S10R (RADIAL)	
MFD	WV	50 WV (D x L)	100 WV (D x L)	50 WV (D x L)	100 WV (D x L)
1.0		8 x 17	10 x 18	8 x 13	10 x 15
1.5		8 x 17	10 x 18	8 x 13	10 x 15
2.2		8 x 17	10 x 18	8 x 13	10 x 15
2.7		8 x 17	10 x 18	8 x 13	10 x 15
3.3		8 x 17	10 x 18	8 x 13	10 x 15
3.9		8 x 17	10 x 18	8 x 13	10 x 15
4.7		8 x 17	10 x 18	8 x 13	10 x 15
5.6		10 x 18	10 x 18	8 x 13	10 x 15
6.8		10 x 18	10 x 18	8 x 13	10 x 15
7.5		10 x 18	10 x 18	8 x 13	10 x 15
8.2		10 x 18	10 x 18	8 x 13	10 x 15
10		10 x 18	10 x 18	10 x 15	10 x 15
12		10 x 18	12 x 26	10 x 15	10 x 20
15		10 x 18	12 x 26	10 x 15	10 x 20
18		10 x 18	12 x 26	10 x 20	10 x 20
22		10 x 18	12 x 26	10 x 20	13 x 21
27		12 x 26	12 x 26	10 x 20	13 x 21
33		12 x 26	12 x 26	10 x 20	13 x 21
39		12 x 26	12 x 26	13 x 21	13 x 21
47		12 x 31	12 x 31	13 x 21	13 x 21
56		12 x 31	12 x 31	13 x 21	16 x 27
68		12 x 31	13 x 31	13 x 21	16 x 27
75		12 x 31	16 x 34	13 x 21	16 x 27
82		12 x 31	16 x 34	13 x 26	16 x 27
100		12 x 31	16 x 34	13 x 26	16 x 27
120		12 x 31	16 x 34	16 x 27	16 x 27
150		16 x 34	16 x 42	16 x 27	16 x 36
180		16 x 34	18 x 42	16 x 27	16 x 36
220		16 x 34	18 x 42	16 x 27	18 x 36
270		16 x 34	18 x 42	16 x 27	18 x 36
330		16 x 42	22 x 44	16 x 36	22 x 37
390		16 x 42	22 x 44	16 x 36	22 x 37
470		18 x 42	25 x 52	18 x 36	25 x 43

** ANY SPECIAL VALUE ARE ACCEPTABLE, ITS SIZE TO BE PROVIDED UPON REQUESTED

** SIZE MAYBE CHANGED W/O NOTICE., SPECIAL SIZE IS ACCEPTABLE

**AXIAL SIZE 8 x 17 MAYBE 10 x 18

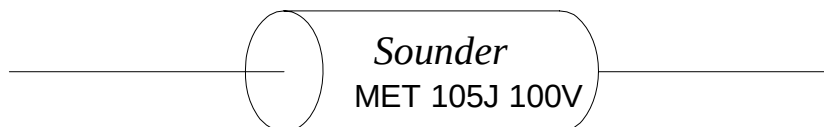
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Or all other color will be accepted only based M.O.Q. 500K per order for each item, otherwise unless you could accept non-compliance Sony SS-00259 (Still compliance with RoHS required).



"SOUNDER" METALLIZED POLYESTER FILM CAPACITORS - SMET SERIES (AXIAL TUBULAR)

1) FIGURE :



BODY SIZE : SEE SELOWING TABLE. LEAD LENGTH MIN.30mm
LEAD DIA : 0.6Ø FOR OD UNDER 8Ø, 0.8Ø OR 1.0Ø FOR OD EXCEED 8Ø

- 2) CAP. TOL. RANGE : $\pm 10\%$ (K), or $\pm 5\%$ (J) @1KHZ
3) DISSIPATION FACTOR : Max 1% @1KHZ .
4) TEMP. RANGE : - 40°C TO +85°C
5) SURGE VOLT : 1.25 x RATE VOLTAGE
6) INSULATING RESISTANCE : $C \leq 0.33\mu F$, I.R. ≥ 7500 Mega-Ohm (AT 20 °C, 1min)
C > 0.33 μF , I.R ≥ 5000 Mega-Ohm (AT 20 °C, 1min)
7) MARKING : SOUNDER OR SOUNDER
MET xxxJ xxxV MET xxxJ
xxx $\mu F \pm 5\%$

8) BODY SIZE (DxL) TABLE (FOR STANDARD VALUE) - AT mm,

TOL. L ± 1 mm , D<10mm ± 1 mm , D10~20mm ± 2 mm , D>20mm ± 2.5 mm

WV MFD	100 VDC	250 VDC	400 VDC	630 VDC
0.01	5 x 16	5 x 16	5 x 16	5.5 x 16
0.015	5 x 16	5 x 16	5 x 16	6 x 16
0.022	5 x 16	5 x 16	5 x 16	7 x 16
0.033	5 x 16	5 x 16	5 x 16	8 x 16
0.047	5 x 16	5 x 16	5 x 16	9 x 16
0.068	5 x 16	5 x 16	5 x 16	9 x 21
0.10	5 x 16	5 x 16	8 x 21	10 x 21
0.15	5 x 16	5.5 x 16	9 x 21	11 x 26
0.22	5 x 16	8.5 x 16	9.5 x 21	13 x 26
0.33	6 x 16	8 x 21	10 x 26	14 x 31
0.47	6.5 x 16	9 x 21	12 x 26	15 x 31
0.68	8.5 x 21	9 x 26	12.5 x 31	18 x 31
1.0	10 x 26	10 x 26	15 x 31	20.5 x 31
1.5	11 x 26	11 x 26	18 x 31	
1.8	11 x 26	11 x 26		
2.2	11 x 26	11 x 26		
3.3	13 x 26	13 x 26		
4.7	14 x 31	14 x 31		
6.8	17 x 31	17 x 31		
10	20 x 31	20 x 31		

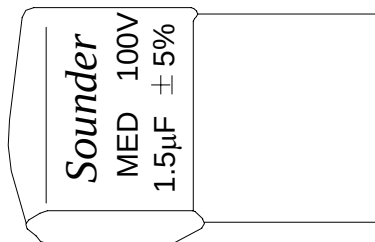
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** SIZE MAYBE CHANGED W/O NOTICE., SPECIAL SIZE IS ACCEPTABLE



"SOUNDER" METALLIZED POLYESTER FILM CAPACITORS - SMED SERIES (RADIAL DIPPED)

1) FIGURE :



BODY SIZE : SEE SELOWING TABLE. LEAD LENGTH MIN.20mm

BODY LENGTH 長度		10.0	12.5	18.0	21.0	31.0	44.0
LEAD PITCH ±1.5mm		7.5	10.0	15.0	20.0	27.0	41.0
LEAD DIA ±0.05mm		0.6Ø	0.6Ø	0.8Ø	0.8Ø	0.8Ø	0.8Ø

2) CAP. TOL. RANGE

: ± 10% (K), or ± 5% (J) @1KHZ

3) DISSIPATION FACTOR

: Max 1% @1KHZ .

4) TEMP. RANGE

: - 40°C TO +85°C

5) SURGE VOLT

: 1.25 x RATE VOLTAGE

6) INSULATING RESISTANCE

: C ≤ 0.33μF , I.R. ≥ 7500 Mega-Ohm (AT 20 °C, 1min)

: C > 0.33μF , I.R. ≥ 5000 Mega-Ohm (AT 20 °C, 1min)

7) MARKING

: SOUNDER

MED xxxV

xxxμF ± 5%

8) BODY SIZE (L x T x H) TABLE (FOR STANDARD VALUE) - AT mm,

TOL. L ± 1 mm , T/H <10mm ± 1 mm , T/H10~20mm ± 2 mm , T/H>20mm ± 2.5 mm

WV MFD	100 VDC L x T x H	250 VDC L x T x H	400 VDC L x T x H	630 VDC L x T x H
0.01	13 x 5.5 x 10	13 x 5.5 x 10	13 x 5.5 x 10	13 x 6.0 x 10.5
0.015	13 x 5.5 x 10	13 x 5.5 x 10	13 x 5.5 x 10	13 x 6.0 x 10.5
0.022	13 x 5.5 x 10	13 x 5.5 x 10	13 x 5.5 x 10	13 x 6.5 x 10.5
0.033	13 x 5.5 x 10	13 x 5.5 x 10	13 x 6.5 x 11	13 x 7.0 x 11.5
0.047	13 x 5.5 x 10	13 x 5.5 x 10	13 x 7.0 x 11.5	18 x 6.0 x 10
0.068	13 x 5.5 x 10	13 x 5.5 x 10	13 x 7.5 x 12.5	18 x 8.0 x 12
0.10	13 x 5.5 x 15.5	13 x 5.5 x 12	18 x 6.5 x 11.5	18 x 9.5 x 15
0.15	13 x 8.0 x 12.5	13 x 6.5 x 12.5	18 x 8.0 x 14	24 x 9.0 x 14
0.22	13 x 8.0 x 12.5	13 x 7.5 x 13.5	18 x 9.0 x 15	24 x 10.5 x 16.5
0.33	13 x 8.5 x 13	18 x 8.0 x 14	18 x 10.0 x 16.5	31 x 11.0 x 17.5
0.47	13 x 8.5 x 13	18.8 x 9.5 x 16	24 x 10.5 x 17.5	31 x 12.5 x 22.5
0.68	13 x 8.0 x 13.5	24 x 9.5 x 14	31 x 10.5 x 17.5	31 x 14.0 x 23.5
1.0	18 x 9.5 x 16	24 x 10.5 x 18	31 x 12.0 x 21.5	30 x 15.5 x 25.5
1.5	24 x 12 x 19.5	31 x 10.5 x 20	31 x 14.0 x 24	
1.8	24 x 13 x 21	31 x 16 x 23		
2.2	24 x 13 x 21	31 x 16 x 23		
3.3	31 x 12 x 21	31 x 16 x 24		
4.7	31 x 14 x 22.5	44 x 12 x 18		
6.8	31 x 15.5 x 23.5	44 x 15 x 20		
8.2	31 x 20.2 x 25.5			
10	31 x 20.2 x 25.5			

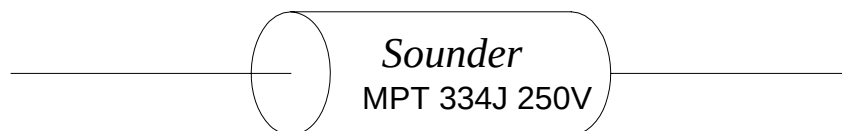
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"SOUNDER" METALLIZED POLYPROPYLENE FILM CAPACITORS - SMPT SERIES (AXIAL TUBULAR)

1) FIGURE :



BODY SIZE 本體尺寸 : SEE SELOWING TABLE. LEAD LENGTH MIN.30mm

LEAD DIA : 0.6Ø FOR OD UNDER 8Ø, 0.8Ø OR 1.0Ø FOR OD EXCEED 8Ø

2) CAP. TOL. RANGE : $\pm 10\%$ (K), or $\pm 5\%$ (J) @1KHZ

3) DISSIPATION FACTOR : Max 0.0015 (0.15%) @1KHZ .

4) TEMP. RANGE : - 40°C TO +85°C

5) SURGE VOLT : 1.25 x RATE VOLTAGE

6) INSULATING RESISTANCE : $C \leq 0.33\mu\text{F}$, I.R. ≥ 7500 Mega-Ohm (AT 20 °C, 1min)

$C > 0.33\mu\text{F}$, I.R ≥ 5000 Mega-Ohm (AT 20 °C, 1min)

7) MARKING : SOUNDER

MPT xxxJ xxxV

8) BODY SIZE (DxL) TABLE (FOR STANDARD VALUE) - AT mm,

TOL. L ± 1 mm , D<10mm ± 1 mm , D10~20mm ± 2 mm , D>20mm ± 2.5 mm

WV MFD	100 VDC D x L	250 VDC D x L	400 VDC D x L	630 VDC D x L
0.01	5 x 16	5 x 16	6 x 16	6 x 16
0.015	5 x 16	5 x 16	6 x 16	6 x 16
0.022	6 x 16	6 x 16	8.5 x 16	8.5 x 16
0.033	6 x 16	6 x 16	8.5 x 16	10 x 16
0.047	7 x 16	7 x 16	8.5 x 16	9 x 21
0.068	7.5 x 16	7.5 x 16	8.0 x 21	10 x 21
0.1	8.5 x 16	8.5 x 16	8.5 x 21	13 x 21
0.15	8.0 x 21	8.0 x 21	10 x 21	15 x 28
0.22	9.0 x 21	9.0 x 21	10 x 28	18 x 28
0.33	10 x 21	10 x 21	13 x 28	17 x 31
0.47	10 x 26	10 x 26	13 x 28	18 x 31
0.68	10 x 26	10 x 26	15 x 31	18 x 31
1.0	11 x 26	11 x 26	18 x 31	20.5 x 31
1.5	15 x 31	15 x 31	20 x 31	
1.8	15 x 31	15 x 31	24 x 31	
2.2	15 x 31	15 x 31		
3.3	21 x 31	21 x 31		
4.7	21 x 31	21 x 31		
6.8	23 x 46	23 x 46		
10	26 x 46	26 x 46		

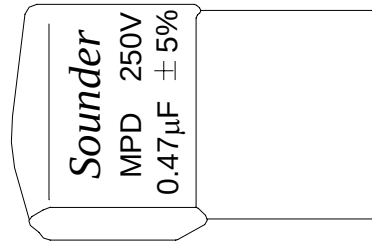
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"SOUNDER" METALLIZED POLYPROPYLENE FILM CAPACITORS - SMPD SERIES (RADIAL DIPPED)

1) FIGURE :



BODY SIZE : SEE SELOWING TABLE. LEAD LENGTH MIN.20mm

BODY LENGTH		12.5	18.0	21.0	31.0
LEAD PITCH	±1.5mm	10.0	15.0	20.0	27.5
LEAD DIA	±0.05mm	0.6Ø	0.8Ø	0.8Ø	0.8Ø

- 2) CAP. TOL. RANGE : ± 10% (K), or ± 5% (J) @1KHZ
3) DISSIPATION FACTOR : Max 0.1% @1KHZ
4) TEMP. RANGE : - 40°C TO +85°C
5) SURGE VOLT : 1.25 x RATE VOLTAGE
6) INSULATING RESISTANCE : C ≤ 0.33µF , I.R. ≥ 7500 Mega-Ohm (AT 20 °C, 1min)
C > 0.33µF , I.R ≥ 5000 Mega-Ohm (AT 20 °C, 1min)
7) MARKING : SOUNDER
MPD xxxV
xxxµF ± 5%

8) MAX. BODY SIZE (L x T x H) TABLE (FOR STANDARD VALUE) - AT mm,

TOL. L ± 1 mm , T/H <10mm ± 1 mm , T/H10~20mm ± 2 mm , T/H>20mm ± 2.5 mm

WV MFD	250VDC L x T x H	400VDC L x T x H	630VDC L x T x H
0.01	13 x 6.0 x 10	13 x 6.0 x 10	13 x 7.0 x 11
0.015	13 x 6.0 x 10	13 x 6.0 x 10	13 x 7.5 x 11.5
0.022	13 x 7.0 x 11	13 x 7.0 x 11	18 x 7.0 x 11
0.033	13 x 7.0 x 11	18 x 7.0 x 11	18 x 8.0 x 12.5
0.047	13 x 7.0 x 11	18 x 7.0 x 11	18 x 9.0 x 14.5
0.068	18 x 7.0 x 12.5	18 x 7.0 x 12.5	24 x 9.0 x 14.5
0.1	18 x 7.0 x 12.5	18 x 8.0 x 12.5	24 x 10.0 x 14.5
0.15	18 x 7.5 x 12.5	24 x 8.0 x 14.5	24 x 11.5 x 27.5
0.22	18 x 9.0 x 14.5	24 x 9.0 x 14.5	31 x 11.5 x 20
0.33	24 x 9.0 x 14.5	24 x 11.0 x 17.5	31 x 13.0 x 20
0.47	24 x 10.0 x 14.5	31 x 11.0 x 20	31 x 15.5 x 24
0.68	24 x 11.5 x 17.5	31 x 12.0 x 20	31 x 17.0 x 25.5
1.0	31 x 11.5 x 20	31 x 15.5 x 21	
1.5	31 x 13.0 x 22	31 x 17.0 x 23	
1.8	31 x 15.5 x 25		
2.2	31 x 15.5 x 25		
3.3	31 x 17.0 x 27		

** ANY SPECIAL VALUE ARE ACCEPTABLE, ITS SIZE TO BE PROVIDED UPON REQUESTED

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