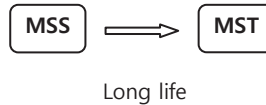




### MST series

- 85°C 5,000Hrs assured.
- Long life
- For SMPS, Inverter
- RoHS compliant
- Halogen-free capacitors are also available.

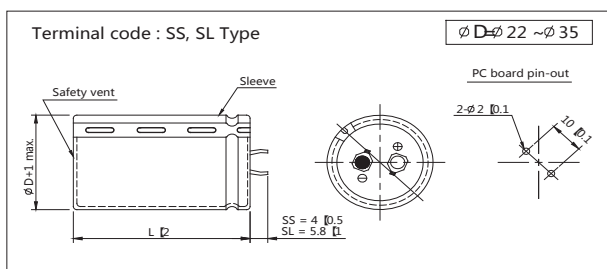
Long life RoHS Compliant



### Specifications

Item	Characteristics																																		
Rated Voltage Range	16 ~ 250 Vdc	315 ~ 450 Vdc																																	
Operating Temperature Range	-40 ~ +105°C	-25 ~ +105°C																																	
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)																																		
Leakage Current	I=0.02CV or 3mA whichever is smaller Where, I:Max. Leakage current(µA), C:Nominal capacitance(µF), V:Rated voltage(Vdc) (at 20°C, 5min)																																		
Dissipation Factor(Tanδ)	<table border="1"> <tr> <td>Rated voltage (Vdc)</td> <td>16</td> <td>25</td> <td>35</td> <td>50~63</td> <td>100</td> <td>160~250</td> <td>315~400</td> <td>450</td> </tr> <tr> <td>Tanδ (max.)</td> <td>0.40</td> <td>0.35</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> </tr> </table>								Rated voltage (Vdc)	16	25	35	50~63	100	160~250	315~400	450	Tanδ (max.)	0.40	0.35	0.30	0.25	0.20	0.15	0.15	0.20									
	Rated voltage (Vdc)	16	25	35	50~63	100	160~250	315~400	450																										
Tanδ (max.)	0.40	0.35	0.30	0.25	0.20	0.15	0.15	0.20																											
		(at 20°C, 120Hz)																																	
Temperature characteristics (Max,impedance ratio)	<table border="1"> <tr> <td>Rated voltage (Vdc)</td> <td>16</td> <td>25</td> <td>35</td> <td>50~63</td> <td>100</td> <td>160~250</td> <td>315~400</td> <td>450</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>4</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>3</td> <td>8</td> <td>8</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>15</td> <td>10</td> <td>8</td> <td>6</td> <td>5</td> <td>5</td> <td>-</td> <td>-</td> </tr> </table>								Rated voltage (Vdc)	16	25	35	50~63	100	160~250	315~400	450	Z(-25°C)/Z(20°C)	4	3	3	2	2	3	8	8	Z(-40°C)/Z(20°C)	15	10	8	6	5	5	-	-
	Rated voltage (Vdc)	16	25	35	50~63	100	160~250	315~400	450																										
	Z(-25°C)/Z(20°C)	4	3	3	2	2	3	8	8																										
Z(-40°C)/Z(20°C)	15	10	8	6	5	5	-	-																											
		(at 120Hz)																																	
Load life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for specified life times at 85°C 5,000hrs. Capacitance change ≤±20%of the initial value Tan δ ≤200% of the initial specified value Leakage current ≤The initial specified value																																		
Shelf life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes at least 24 hours and not more than 48 hours before the measurements. Capacitance change ≤±20% of the initial value Tanδ ≤200% of the initial specified value Leakage current ≤The initial specified value																																		

### Dimensions

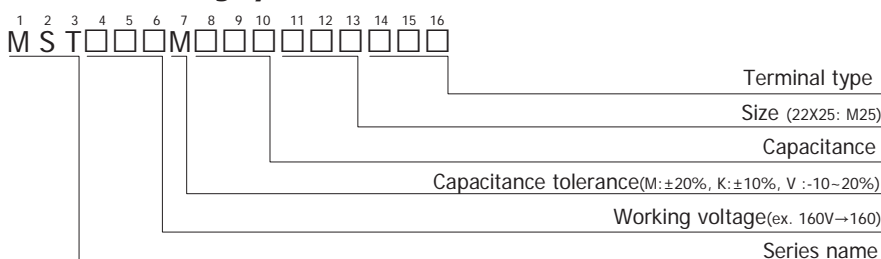


- Printed white color letter on PET black sleeve
- The standard design has no bottom plate

### Rated ripple current multipliers

Vdc \ Freq. (Hz)	50	60	120	1K	10K	100K
16 ~ 100	0.88	0.90	1.00	1.15	1.15	1.15
160 ~ 250	0.81	0.85	1.00	1.32	1.45	1.50
350 ~ 450	0.77	0.82	1.00	1.30	1.41	1.43

### Code numbering system



Ø22	M
Ø25	N
Ø30	O
Ø35	P



# MST series

## Standard Ratings

Note1) Ripple current = mArms/85°C, 120Hz

WV (Vdc)	Cap (uF)	Size ØxL(mm)	Tan δ	Ripple <sup>1)</sup>	Code No
16	6,800	22 x 25	0.40	1,750	MST016□682M25□□□
	8,200	22 x 30	0.40	2,000	MST016□822M30□□□
	10,000	22 x 30	0.40	2,100	MST016□103M30□□□
		25 x 25	0.40	2,050	MST016□103N25□□□
	12,000	22 x 35	0.40	2,310	MST016□123M35□□□
		25 x 30	0.40	2,300	MST016□123N30□□□
		30 x 25	0.40	2,380	MST016□123O25□□□
	15,000	22 x 40	0.40	2,680	MST016□153M40□□□
		25 x 35	0.40	2,680	MST016□153N35□□□
	18,000	30 x 30	0.40	2,570	MST016□153O30□□□
		22 x 45	0.40	2,980	MST016□183M45□□□
		25 x 40	0.40	3,160	MST016□183N40□□□
	22,000	30 x 30	0.40	3,000	MST016□183O30□□□
		25 x 45	0.40	3,400	MST016□223N45□□□
	27,000	30 x 35	0.40	3,390	MST016□223O35□□□
		35 x 30	0.40	3,250	MST016□223P30□□□
	33,000	25 x 50	0.40	3,850	MST016□273N50□□□
		30 x 40	0.40	3,830	MST016□273O40□□□
	39,000	35 X 30	0.40	3,740	MST016□273P30□□□
		30 x 45	0.40	4,300	MST016□333O45□□□
47,000	35 x 35	0.40	4,270	MST016□333P35□□□	
	30 x 50	0.40	4,810	MST016□393O50□□□	
25	4,700	22 x 25	0.35	1,610	MST025□472M25□□□
	5,600	22 x 30	0.35	1,800	MST025□562M30□□□
	6,800	22 x 30	0.35	1,910	MST025□682M30□□□
		25 x 25	0.35	1,910	MST025□682N25□□□
	8,200	22 x 35	0.35	2,140	MST025□822M35□□□
		25 x 30	0.35	2,340	MST025□822N30□□□
	10,000	30 x 25	0.35	2,250	MST025□822O25□□□
		22 x 40	0.35	2,650	MST025□103M40□□□
		25 X 35	0.35	2,610	MST025□103N35□□□
	12,000	30 x 30	0.35	2,610	MST025□103O30□□□
		22 x 45	0.35	2,690	MST025□123M45□□□
	15,000	25 x 40	0.35	2,810	MST025□123N40□□□
		30 x 30	0.35	2,740	MST025□123O30□□□
	18,000	25 x 45	0.35	3,270	MST025□153N45□□□
		30 x 35	0.35	3,130	MST025□153O35□□□
	22,000	35 x 30	0.35	3,260	MST025□153P30□□□
		25 x 50	0.35	3,540	MST025□183N50□□□
	27,000	30 x 40	0.35	3,560	MST025□183O40□□□
		35 x 35	0.35	3,840	MST025□183P35□□□
	33,000	30 x 45	0.35	4,240	MST025□223O45□□□
35 x 35		0.35	3,960	MST025□223P35□□□	
35	3,300	22 x 25	0.30	1,450	MST035□332M25□□□
	3,900	22 x 30	0.30	1,690	MST035□392M30□□□
	4,700	22 x 35	0.30	2,030	MST035□472M35□□□
		25 x 25	0.30	1,780	MST035□472N25□□□
	5,600	22 x 35	0.30	2,130	MST035□562M35□□□
		25 x 30	0.30	2,040	MST035□562N30□□□
	6,800	30 x 25	0.30	2,120	MST035□562O25□□□
		22 x 40	0.30	2,410	MST035□682M40□□□
	8,200	25 x 35	0.30	2,310	MST035□682N35□□□
		30 x 25	0.30	2,310	MST035□682O25□□□
	1,000	22 x 50	0.30	2,850	MST080□822M50□□□
		25 x 40	0.30	2,730	MST080□822N40□□□
	1,200	30 x 30	0.30	2,750	MST080□822O30□□□

WV (Vdc)	Cap (uF)	Size ØxL(mm)	Tan δ	Ripple <sup>1)</sup>	Code No
35	10,000	25 x 45	0.30	3,050	MST035□103N45□□□
		30 x 35	0.30	3,050	MST035□103O35□□□
	12,000	25 x 50	0.30	3,370	MST035□123N50□□□
		30 x 40	0.30	3,280	MST035□123O40□□□
		35 x 30	0.30	3,200	MST035□123P30□□□
	15,000	30 x 45	0.30	3,740	MST035□153O45□□□
		35 x 35	0.30	3,690	MST035□153P35□□□
	18,000	35 x 40	0.30	4,370	MST035□183P40□□□
		35 x 50	0.30	4,920	MST035□223P50□□□
	50	1,800	22 x 25	0.25	1,340
2,700		22 x 30	0.25	1,700	MST050□272M30□□□
		25 x 25	0.25	1,700	MST050□272N25□□□
3,300		22 x 35	0.25	1,980	MST050□332M35□□□
		25 x 30	0.25	2,000	MST050□332N30□□□
3,900		22 x 40	0.25	2,250	MST050□392M40□□□
		25 x 30	0.25	2,280	MST050□392N30□□□
4,700		30 x 25	0.25	2,220	MST050□392O25□□□
		22 x 45	0.25	2,560	MST050□472M45□□□
5,600		25 x 35	0.25	2,610	MST050□472N35□□□
	30 x 30	0.25	2,580	MST050□472O30□□□	
63	6,800	22 x 50	0.25	2,890	MST050□562M50□□□
		25 x 40	0.25	2,810	MST050□562N40□□□
	8,200	30 x 30	0.25	2,950	MST050□562O30□□□
		25 x 45	0.25	3,370	MST050□682N45□□□
	10,000	30 x 35	0.25	3,390	MST050□682O35□□□
		35 x 30	0.25	3,310	MST050□682P30□□□
	12,000	30 x 40	0.25	3,710	MST050□822O40□□□
		35 x 35	0.25	3,660	MST050□822P35□□□
	15,000	30 x 50	0.25	4,090	MST050□103O50□□□
		35 x 40	0.25	4,070	MST050□103P40□□□
80	1,200	22 x 25	0.20	1,250	MST063□122M25□□□
	1,500	22 x 30	0.20	1,470	MST063□152M30□□□
		25 x 25	0.20	1,440	MST063□152N25□□□
	1,800	22 x 30	0.20	1,580	MST063□182M30□□□
		25 x 25	0.20	1,520	MST063□182N25□□□
	2,200	22 x 35	0.20	1,820	MST063□222M35□□□
		25 x 30	0.20	1,750	MST063□222N30□□□
	2,700	22 x 40	0.20	2,070	MST063□272M40□□□
		25 x 35	0.20	2,110	MST063□272N35□□□
	3,300	30 x 25	0.20	1,930	MST063□272O25□□□
22 x 45		0.20	2,330	MST063□332M45□□□	
3,900	25 x 35	0.20	2,270	MST063□332N35□□□	
	30 x 30	0.20	2,240	MST063□332O30□□□	
4,700	25 x 40	0.20	2,540	MST063□392N40□□□	
	30 x 35	0.20	2,550	MST063□392O35□□□	
5,600	25 x 50	0.20	2,970	MST063□472N50□□□	
	30 x 40	0.20	2,900	MST063□472O40□□□	
6,800	35 x 30	0.20	2,830	MST063□472P30□□□	
	30 x 40	0.20	3,280	MST063□562O40□□□	
8,200	35 x 35	0.20	3,240	MST063□562P35□□□	
	30 x 50	0.20	3,730	MST063□682O50□□□	
10,000	35 x 40	0.20	3,710	MST063□682P40□□□	
	35 x 45	0.20	4,160	MST063□822P45□□□	
80	820	22 x 25	0.20	1,110	MST080□821M25□□□
	1,000	22 x 25	0.20	1,290	MST080□102M25□□□
	1,200	22 x 30	0.20	1,440	MST080□122M30□□□
		25 x 25	0.20	1,390	MST080□122N25□□□



**MST series**

**Standard Ratings**

Note1) Ripple current = mArms/85°C, 120Hz

WV (Vdc)	Cap (uF)	Size ØxL(mm)	Tan δ	Ripple <sup>1)</sup>	Code No	
80	1,500	22 x 30	0.20	1,610	MST080□152M30□□□	
		25 x 25	0.20	1,620	MST080□152N25□□□	
	1,800	22 x 35	0.20	1,830	MST080□182M35□□□	
		25 x 30	0.20	1,860	MST080□182N30□□□	
	2,200	30 x 25	0.20	1,810	MST080□182O25□□□	
		22 x 40	0.20	2,090	MST080□222M40□□□	
	2,700	25 x 35	0.20	2,010	MST080□222N35□□□	
		30 x 25	0.20	2,100	MST080□222O25□□□	
	3,300	25 x 40	0.20	2,430	MST080□272N40□□□	
		30 x 30	0.20	2,430	MST080□272O30□□□	
	3,900	25 x 45	0.20	2,760	MST080□332N45□□□	
		30 x 35	0.20	2,780	MST080□332O35□□□	
	4,700	35 x 30	0.20	2,710	MST080□332P30□□□	
		25 x 50	0.20	2,920	MST080□392N50□□□	
	5,600	30 x 40	0.20	3,120	MST080□392O40□□□	
		35 x 30	0.20	3,070	MST080□392P30□□□	
	6,800	30 x 45	0.20	3,520	MST080□472O45□□□	
		35 x 35	0.20	3,500	MST080□472P35□□□	
	100	560	30 x 50	0.20	3,800	MST080□562O50□□□
			35 x 40	0.20	3,870	MST080□562P40□□□
		820	35 x 45	0.20	4,190	MST080□682P45□□□
			22 x 25	0.18	1,070	MST100□561M25□□□
		1,000	22 x 30	0.18	1,350	MST100□821M30□□□
			25 x 25	0.18	1,350	MST100□821N25□□□
		1,200	22 x 30	0.18	1,540	MST100□102M30□□□
			25 x 30	0.18	1,560	MST100□102N30□□□
		1,500	22 x 40	0.18	1,740	MST100□122M40□□□
			25 x 30	0.18	1,760	MST100□122N30□□□
1,800		30 x 25	0.18	1,710	MST100□122O25□□□	
		22 x 45	0.18	1,990	MST100□152M45□□□	
2,200		25 x 35	0.18	2,030	MST100□152N35□□□	
		30 x 30	0.18	2,000	MST100□152O30□□□	
2,700		25 x 40	0.18	2,280	MST100□182N40□□□	
		30 x 35	0.18	2,270	MST100□182O35□□□	
3,300		25 x 50	0.18	2,570	MST100□222N50□□□	
		30 x 30	0.18	2,520	MST100□222P30□□□	
3,900		30 x 45	0.18	2,940	MST100□272O45□□□	
		35 x 35	0.18	2,900	MST100□272P35□□□	
4,700		30 x 50	0.18	3,320	MST100□332O50□□□	
		35 x 40	0.18	3,310	MST100□332P40□□□	
160		270	35 x 45	0.18	3,690	MST100□472P45□□□
			35 x 50	0.18	4,140	MST100□472P50□□□
		330	20 x 25	0.15	1,100	MST160□221L25□□□
			20 x 30	0.15	1,200	MST160□331L30□□□
		390	22 x 25	0.15	1,300	MST160□391L30□□□
			22 x 30	0.15	1,300	MST160□391M25□□□
	470	20 x 35	0.15	1,340	MST160□471L35□□□	
		22 x 30	0.15	1,550	MST160□471M30□□□	
	560	25 x 25	0.15	1,550	MST160□471N25□□□	
		20 x 40	0.15	1,500	MST160□561L40□□□	
	680	22 x 35	0.15	1,670	MST160□561M35□□□	
		25 x 30	0.15	1,670	MST160□561N30□□□	
	820	30 x 25	0.15	1,670	MST160□561O25□□□	
		20 x 45	0.15	1,700	MST160□681L45□□□	
	220	22 x 40	0.15	1,700	MST160□681M40□□□	
		25 x 30	0.15	1,820	MST160□681N30□□□	
	270	30 x 25	0.15	1,820	MST160□681O25□□□	
		22 x 45	0.15	2,040	MST160□821M45□□□	
	330	25 x 40	0.15	2,040	MST160□821N40□□□	

WV (Vdc)	Cap (uF)	Size ØxL(mm)	Tan δ	Ripple <sup>1)</sup>	Code No	
160	820	30 x 30	0.15	2,040	MST160□821O30□□□	
		35 x 25	0.15	2,040	MST160□821P25□□□	
	1,000	22 x 50	0.15	2,250	MST160□102M50□□□	
		25 x 40	0.15	2,250	MST160□102N40□□□	
	1,200	30 x 30	0.15	2,250	MST160□102O30□□□	
		35 x 25	0.15	2,250	MST160□102P25□□□	
	1,500	25 x 45	0.15	2,490	MST160□122N45□□□	
		30 x 35	0.15	2,490	MST160□122O35□□□	
	1,800	35 x 30	0.15	2,490	MST160□122P30□□□	
		30 x 40	0.15	2,840	MST160□152O40□□□	
	2,200	35 x 30	0.15	2,840	MST160□152P30□□□	
		30 x 45	0.15	3,320	MST160□182O45□□□	
	2,700	35 x 35	0.15	3,000	MST160□182P35□□□	
		35 x 45	0.15	3,500	MST160□222P45□□□	
	180	220	35 x 50	0.15	4,000	MST160□272P50□□□
			20 x 25	0.15	1,000	MST180□221L25□□□
		270	20 x 30	0.15	1,100	MST180□271L30□□□
			20 x 30	0.15	1,200	MST180□331L30□□□
		330	22 x 25	0.15	1,200	MST180□331M25□□□
			20 x 35	0.15	1,300	MST180□391L35□□□
		390	22 x 30	0.15	1,350	MST180□391M30□□□
			25 x 25	0.15	1,350	MST180□391N25□□□
		470	20 x 40	0.15	1,400	MST180□471L40□□□
			22 x 35	0.15	1,500	MST180□471M35□□□
		560	25 x 30	0.15	1,500	MST180□471N30□□□
			30 x 25	0.15	1,500	MST180□471O25□□□
		680	20 x 45	0.15	1,550	MST180□561L45□□□
			22 x 40	0.15	1,670	MST180□561M40□□□
820		25 x 30	0.15	1,670	MST180□561N30□□□	
		30 x 25	0.15	1,670	MST180□561O25□□□	
1,000		22 x 45	0.15	1,780	MST180□681M45□□□	
		25 x 35	0.15	1,780	MST180□681N35□□□	
1,200		30 x 30	0.15	1,780	MST180□681O30□□□	
		35 x 25	0.15	1,780	MST180□681P25□□□	
1,500		22 x 50	0.15	2,040	MST180□821M50□□□	
		25 x 40	0.15	2,040	MST180□821N40□□□	
1,800		30 x 30	0.15	2,040	MST180□821O30□□□	
		35 x 25	0.15	2,040	MST180□821P25□□□	
2,200		25 x 45	0.15	2,300	MST180□102N45□□□	
		30 x 35	0.15	2,300	MST180□102O35□□□	
2,700		35 x 30	0.15	2,300	MST180□102P30□□□	
		25 x 50	0.15	2,550	MST180□122N50□□□	
3,300	30 x 40	0.15	2,550	MST180□122O40□□□		
	35 x 30	0.15	2,550	MST180□122P30□□□		
3,900	30 x 45	0.15	2,900	MST180□152O45□□□		
	35 x 35	0.15	2,900	MST180□152P35□□□		
4,700	35 x 45	0.15	3,300	MST180□182P45□□□		
	35 x 50	0.15	3,650	MST180□222P50□□□		
200	220	20 x 25	0.15	1,000	MST200□221L25□□□	
		20 x 30	0.15	1,100	MST200□271L30□□□	
	270	22 x 25	0.15	1,100	MST200□271M25□□□	
		20 x 35	0.15	1,200	MST200□331L35□□□	
	330	22 x 30	0.15	1,250	MST200□331M30□□□	
		25 x 25	0.15	1,250	MST200□331N25□□□	
	390	20 x 40	0.15	1,310	MST200□391L40□□□	
		22 x 30	0.15	1,350	MST200□391M30□□□	
	470	25 x 25	0.15	1,350	MST200□391N25□□□	
		20 x 45	0.15	1,450	MST200□471L45□□□	
	560	22 x 35	0.15	1,500	MST200□471M35□□□	
		25 x 30	0.15	1,500	MST200□471N30□□□	



# MST series

## Standard Ratings

Note1) Ripple current = mArms/85°C, 120Hz

WV (Vdc)	Cap (uF)	Size ØxL(mm)	Tan δ	Ripple <sup>1)</sup>	Code No
200	470	30 x 25	0.15	1,500	MST200□471O25□□□
		20 x 50	0.15	1,580	MST200□561L25□□□
	560	22 x 40	0.15	1,670	MST200□561M40□□□
		25 x 30	0.15	1,670	MST200□561N30□□□
		30 x 25	0.15	1,670	MST200□561O25□□□
	680	22 x 45	0.15	1,780	MST200□681M45□□□
		25 x 35	0.15	1,780	MST200□681N35□□□
		30 x 30	0.15	1,780	MST200□681O30□□□
	820	35 x 25	0.15	1,780	MST200□681P25□□□
		25 x 45	0.15	2,040	MST200□821N45□□□
		30 x 30	0.15	2,040	MST200□821O30□□□
	1,000	35 x 25	0.15	2,040	MST200□821P25□□□
		25 x 50	0.15	2,300	MST200□102N50□□□
		30 x 35	0.15	2,300	MST200□102O35□□□
	1,200	35 x 30	0.15	2,300	MST200□102P30□□□
		30 x 40	0.15	2,650	MST200□122O40□□□
	1,500	35 x 35	0.15	2,650	MST200□122P35□□□
		30 x 50	0.15	3,080	MST200□152O50□□□
	1,800	35 x 40	0.15	3,080	MST200□152P40□□□
		35 x 45	0.15	3,480	MST200□182P45□□□
2,200	35 x 50	0.15	3,780	MST200□222P50□□□	
250	150	20 x 25	0.15	790	MST250□151L25□□□
		20 x 30	0.15	900	MST250□181L30□□□
	220	20 x 30	0.15	1,000	MST250□221L30□□□
		22 x 25	0.15	1,000	MST250□221M25□□□
	270	20 x 35	0.15	1,100	MST250□271L35□□□
		22 x 35	0.15	1,180	MST250□271M35□□□
		25 x 25	0.15	1,180	MST250□271N25□□□
	330	20 x 40	0.15	1,200	MST250□331L40□□□
		22 x 40	0.15	1,300	MST250□331M40□□□
		25 x 30	0.15	1,300	MST250□331N30□□□
	390	30 x 25	0.15	1,300	MST250□331O25□□□
		20 x 50	0.15	1,450	MST250□391L50□□□
		22 x 45	0.15	1,490	MST250□391M45□□□
	470	25 x 35	0.15	1,490	MST250□391N35□□□
		30 x 25	0.15	1,490	MST250□391O25□□□
		22 x 50	0.15	1,650	MST250□471M50□□□
	560	25 x 40	0.15	1,650	MST250□471N40□□□
		30 x 30	0.15	1,650	MST250□471O30□□□
		35 x 25	0.15	1,650	MST250□471P25□□□
	680	25 x 45	0.15	1,800	MST250□561N45□□□
30 x 35		0.15	1,800	MST250□561O35□□□	
35 x 25		0.15	1,800	MST250□561O25□□□	
820	25 x 50	0.15	2,000	MST250□681N50□□□	
	30 x 40	0.15	2,000	MST250□681O40□□□	
	35 x 30	0.15	2,000	MST250□681P30□□□	
1,000	30 x 45	0.15	2,300	MST250□821O45□□□	
	35 x 35	0.15	2,300	MST250□821P35□□□	
	30 x 50	0.15	2,470	MST250□102O50□□□	
1,200	35 x 40	0.15	2,470	MST250□102P40□□□	
	35 x 45	0.15	2,600	MST250□122P45□□□	
1,500	35 x 50	0.15	3,000	MST250□152P50□□□	
350	120	22 x 25	0.15	750	MST350□121M25□□□
		20 x 35	0.15	790	MST350□151L35□□□
	150	22 x 30	0.15	820	MST350□151M30□□□
		25 x 25	0.15	820	MST350□151N25□□□
	180	20 x 40	0.15	890	MST350□181L40□□□
		22 x 35	0.15	920	MST350□181M35□□□
		25 x 30	0.15	920	MST350□181N30□□□

WV (Vdc)	Cap (uF)	Size ØxL(mm)	Tan δ	Ripple <sup>1)</sup>	Code No
350	270	22 x 45	0.15	1,150	MST350□271M45□□□
		25 x 40	0.15	1,150	MST350□271N40□□□
		30 x 30	0.15	1,150	MST350□271O30□□□
	330	22 x 50	0.15	1,250	MST350□331M50□□□
		25 x 45	0.15	1,250	MST350□331N45□□□
		30 x 35	0.15	1,250	MST350□331O35□□□
	390	25 x 50	0.15	1,360	MST350□391N50□□□
		30 x 40	0.15	1,360	MST350□391O40□□□
		35 x 30	0.15	1,360	MST350□391P30□□□
	470	30 x 45	0.15	1,480	MST350□471O45□□□
		35 x 35	0.15	1,480	MST350□471P35□□□
	560	30 x 50	0.15	1,560	MST350□561O50□□□
		35 x 40	0.15	1,560	MST350□561P40□□□
	680	35 x 45	0.15	1,750	MST350□681P45□□□
	820	35 x 50	0.15	1,980	MST350□821P50□□□
	400	56	20 x 25	0.15	510
20 x 30			0.15	560	MST400□680L30□□□
82		20 x 30	0.15	640	MST400□820L30□□□
		22 x 25	0.15	640	MST400□820M25□□□
100		20 x 35	0.15	700	MST400□101L35□□□
		22 x 30	0.15	700	MST400□101M30□□□
120		25 x 25	0.15	700	MST400□101N25□□□
		20 x 40	0.15	750	MST400□121L40□□□
150		22 x 35	0.15	750	MST400□121M35□□□
		25 x 25	0.15	750	MST400□121N25□□□
		20 x 45	0.15	830	MST400□151L45□□□
180		22 x 40	0.15	880	MST400□151M40□□□
		25 x 30	0.15	880	MST400□151N30□□□
		30 x 25	0.15	880	MST400□151O25□□□
220		22 x 45	0.15	980	MST400□181M45□□□
		25 x 35	0.15	980	MST400□181N35□□□
		30 x 30	0.15	980	MST400□181O30□□□
270		35 x 25	0.15	980	MST400□181P25□□□
		22 x 50	0.15	1,100	MST400□221M50□□□
		25 x 40	0.15	1,100	MST400□221N40□□□
330	30 x 30	0.15	1,100	MST400□221O30□□□	
	35 x 25	0.15	1,100	MST400□221P25□□□	
	25 x 45	0.15	1,200	MST400□271M45□□□	
390	30 x 35	0.15	1,200	MST400□271O35□□□	
	35 x 30	0.15	1,200	MST400□271P30□□□	
	25 x 50	0.15	1,440	MST400□331M50□□□	
470	30 x 40	0.15	1,440	MST400□331O40□□□	
	35 x 30	0.15	1,440	MST400□331P30□□□	
	30 x 45	0.15	1,600	MST400□391O45□□□	
560	35 x 35	0.15	1,600	MST400□391P35□□□	
	30 x 50	0.15	1,900	MST400□471O50□□□	
680	35 x 40	0.15	1,900	MST400□471P40□□□	
820	35 x 45	0.15	2,120	MST400□561P45□□□	
420	56	20 x 25	0.20	510	MST420□560L25□□□
		20 x 30	0.20	560	MST420□680L30□□□
	82	20 x 35	0.20	640	MST420□820L35□□□
		22 x 25	0.20	640	MST420□820M25□□□
	100	20 x 35	0.20	700	MST420□101L35□□□
		22 x 30	0.20	700	MST420□101M30□□□
	120	25 x 25	0.20	700	MST420□101N25□□□
		20 x 40	0.20	750	MST420□121L40□□□
22 x 35	0.20	750	MST420□121M35□□□		
25 x 30	0.20	750	MST420□121N30□□□		



**MST series**

**Standard Ratings**

Note1) Ripple current = mArms/85°C,120Hz

WV (Vdc)	Cap (uF)	Size ØxL(mm)	Tan δ	Ripple <sup>1)</sup>	Code No
420	150	20 x 40	0.20	880	MST420□151L40□□□
		22 x 40	0.20	880	MST420□151M40□□□
		25 x 35	0.20	880	MST420□151N35□□□
		30 x 25	0.20	880	MST420□151O25□□□
	180	22 x 45	0.20	950	MST420□181M45□□□
		25 x 35	0.20	950	MST420□181N35□□□
		30 x 30	0.20	950	MST420□181O30□□□
	220	22 x 50	0.20	1,100	MST420□221M50□□□
		25 x 45	0.20	1,100	MST420□221N45□□□
		30 x 35	0.20	1,100	MST420□221O35□□□
		35 x 25	0.20	1,100	MST420□221P25□□□
	270	25 x 50	0.20	1,220	MST420□271N50□□□
		30 x 35	0.20	1,220	MST420□271O35□□□
		35 x 30	0.20	1,220	MST420□271P30□□□
	330	30 x 45	0.20	1,450	MST420□331O45□□□
		35 x 35	0.20	1,450	MST420□331P35□□□
390	30 x 50	0.20	1,550	MST420□391O50□□□	
	35 x 40	0.20	1,550	MST420□391P40□□□	
470	35 x 45	0.20	1,900	MST420□471P45□□□	
560	35 x 50	0.20	2,150	MST420□561P50□□□	
450	47	20 x 25	0.20	390	MST450□470L25□□□
	56	20 x 30	0.20	510	MST450□560L30□□□
	68	20 x 35	0.20	560	MST450□680L35□□□
	82	20 x 35	0.20	640	MST450□820L35□□□
		22 x 30	0.20	640	MST450□820M30□□□
		25 x 25	0.20	640	MST450□820N25□□□
	100	20 x 45	0.20	690	MST450□101L45□□□
		22 x 35	0.20	690	MST450□101M35□□□
		25 x 30	0.20	690	MST450□101N30□□□
	120	20 x 50	0.20	750	MST450□121L50□□□
		22 x 40	0.20	800	MST450□121M40□□□
		25 x 30	0.20	800	MST450□121N30□□□
		30 x 25	0.20	800	MST450□121O25□□□
	150	22 x 45	0.20	880	MST450□151M45□□□
		25 x 35	0.20	880	MST450□151N35□□□
		30 x 30	0.20	880	MST450□151O30□□□
	180	22 x 50	0.20	1,000	MST450□181M50□□□
		25 x 40	0.20	1,000	MST450□181N40□□□
		30 x 30	0.20	1,000	MST450□181O30□□□
	220	25 x 45	0.20	1,120	MST450□221N45□□□
		30 x 35	0.20	1,120	MST450□221O35□□□
		35 x 30	0.20	1,120	MST450□221P30□□□
	270	30 x 40	0.20	1,280	MST450□271O40□□□
		35 x 35	0.20	1,280	MST450□271P35□□□
	330	30 x 50	0.20	1,450	MST450□331O50□□□
		35 x 40	0.20	1,450	MST450□331P40□□□
390	35 x 40	0.20	1,500	MST450□391P40□□□	
470	35 x 50	0.20	1,800	MST450□471P50□□□	