

WL Series

SAMXON®

Screw Terminal Type(螺釘型), Long Life Assurance(長壽命保証)

FEATURES

1. Load life of 20000 hours application of ripple current at 85°C
2. High ripple, high reliability.
3. Best for use in industrial power supplies for inverter circuitry.



SPECIFICATIONS

Item	Performance Characteristics	
Operating Temperature Range	-25 to +85°C	
Rated Working Voltage Range	350 to 450V	
Nominal Capacitance Range	2200 to 12000µF	
Capacitance Tolerance	±20% (120Hz, +20°C)	
Leakage Current	I = 0.02CV or 5(mA) after 5 minutes application of rated working voltage at +20°C, whichever is smaller	
Dissipation Factor tan δ (120Hz, +20°C)	Working Voltage (V)	350~450
	tan δ(max.)	0.25
Low Temperature Characteristics	Impedance ratio max. at 120Hz	
	Working Voltage (V)	350~450
	Z-25°C / Z+20°C	8
High Temperature Loading	Test conditions	Post test requirements at +20°C
	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage with the rated ripple current applied for 20000 hours at 85°C	Leakage current : ≤ Initial specified value Cap. change : within ±30% of initial measured value tan δ : ≤ 300% of initial specified value
Shelf Life	At +85°C no voltage applied after 1000 hours and then being stabilized at 20°C the capacitors shall meet the limits below.	
	Leakage current : ≤ Initial specified value Cap. change : within ±20% of initial measured value tan δ : ≤ 200% of initial specified value	
Others	JIS C - 5101 (IEC 60384-4)	

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CASE SIZE TABLE

Method mount metal bracket

Unit : mm

Method to mount resin bushing (φ76.2) (Apply to L=150 or more)

Unit : mm

*** B**
3-leg brackets for φ90 capacitors have different hole shapes from the ordinary ones illustrated below.

Unit : mm

Method to mount resin bushing (φ90) (Apply to L=150 or more)

Unit : mm

φ Screw terminal type (φ36)

Unit : mm

Dimension of terminal pitch (w) and (l) and Nominal dia. of bolt

φD	w	l	α	Nominal dia. of bolt
63.5	28.6	6	3	M5
76.2	31.8	6	3	M5
90	31.8	6	3	M5

Dimension of mounting bracket

Voltage (Code)		3 - Leg			2 - Leg		
Symbol	φD	63.5	76.2	90	63.5	76.2	90
P		38.1	44.5	50.8	40.5	46.5	53
A		43	49.2	58.5	46.5	53	59
T		8.0	7.0	8.0	7.0	6.0	6.0
S		5.0	5.0	5.0	4.5	4.5	4.5
U		14	14	18	14	14	14
θ°		60	60	60	30	30	30
H		25	30	35	35	35	35
h		20	24	25	20	20	20

RIPPLE CURRENT MULTIPLIER

Frequency Coefficient

Freq.(Hz)	50	120	300	1K
350 ~ 450V	0.8	1.0	1.1	1.3

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DIMENSIONS

Voltage (Code)		350V (2V)		400V (2G)		450V (2W)			
SV		400V		450		500V			
Cap.(μ F)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current		
2200	228					63.5 x 120	9.1		
2700	278			63.5 x 120	10.1	63.5 x 130	10.6		
						76.2 x 120	11.2		
3300	338	63.5 x 120	11.1	63.5 x 130	11.7	63.5 x 160	12.7		
						76.2 x 130	13.0		
3900	398	63.5 x 130	12.8	63.5 x 160	13.8	63.5 x 170	14.4		
								76.2 x 120	14.7
4700	478	63.5 x 160	15.2	63.5 x 170	15.8	76.2 x 160	16.7		
		76.2 x 120	14.7	76.2 x 130	15.5				
5600	568	63.5 x 170	17.3	63.5 x 190	18.2	76.2 x 190	20.1		
		76.2 x 130	16.9	76.2 x 160	18.3	90 x 160	19.9		
6800	688	63.5 x 190	20.0	76.2 x 170	21.0	90 x 170	23.0		
		76.2 x 160	20.2						
8200	828	76.2 x 170	23.1	90 x 160	24.1	90 x 190	26.4		
10000	109	90 x 160	26.6	90 x 190	29.1				
12000	129	90 x 190	32.0						

Maximum Allowable Ripple Current (A rms) at 85°C 120Hz

Case Size ϕ D x L(mm)

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Large Can Aluminum Electrolytic Capacitors

X-ON Electronics

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