

# KLM Series

- 15mm height snap-ins
- Endurance with ripple current : 105°C 2000 hours
- Non solvent-proof type

KLM

low profile

KMH

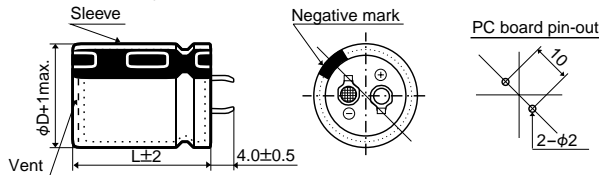


## ◆ SPECIFICATIONS

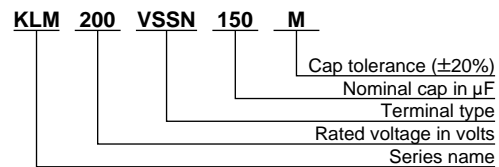
Items	Characteristics	
Category	-25 to +105°C	
Temperature Range		
Rated Voltage Range	160 to 400V <sub>dc</sub>	
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)	
Leakage Current	$I \leq 3\sqrt{CV}$ Where, I : Max. leakage current (µA), C : Nominal capacitance (µF), V : Rated voltage (V) (at 20°C after 5 minutes)	
Dissipation Factor (tanδ)	Rated voltage (V <sub>dc</sub> )	160 to 400V
	tanδ (Max.)	0.20 (at 20°C, 120Hz)
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V <sub>dc</sub> )	160 to 400V
	Z (-25°C) / Z (+20°C)	4 (at 120Hz)
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 2000 hours at 105°C.	
	Capacitance change	≤±20% of the initial value
	D.F. (tanδ)	≤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 1000 hours at 105°C without voltage applied.	
	Capacitance change	≤±15% of the initial value
	D.F. (tanδ)	≤150% of the initial specified value
	Leakage current	≤The initial specified value

## ◆ DIMENSIONS [mm]

- Terminal Type : VSSN



## ◆ PART NUMBERING SYSTEM



\*No plastic disk is the standard design.

## ◆ STANDARD RATINGS

Items	160		180		200		250		400	
	Capacitance (µF)	Rated ripple (Arms/105°C 120Hz)	Capacitance (µF)	Rated ripple (Arms/105°C 120Hz)	Capacitance (µF)	Rated ripple (Arms/105°C 120Hz)	Capacitance (µF)	Rated ripple (Arms/105°C 120Hz)	Capacitance (µF)	Rated ripple (Arms/105°C 120Hz)
22X15	150	0.68	120	0.61	120	0.61	82	0.50	39	0.35
25.4X15	180	0.79	150	0.73	150	0.73	100	0.59	47	0.40
	220	0.88	180	0.79			120	0.65	56	0.44
30X15	270	0.96	220	0.86	180	0.79	150	0.71	68	0.46
	330	1.06	270	0.96	220	0.90	180	0.79	82	0.51
35X15	390	1.20	330	1.10	270	1.00	220	0.90	100	0.56
			390	1.17	330	1.07			120	0.62

## ◆ RATED RIPPLE CURRENT MULTIPLIERS

- Frequency Multipliers

Frequency (Hz)	50	120	300	1k	10k	50k
160 to 250V <sub>dc</sub>	0.81	1.00	1.17	1.32	1.45	1.50
400V <sub>dc</sub>	0.77	1.00	1.16	1.30	1.41	1.43