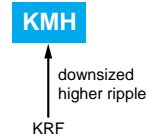


KMH Series

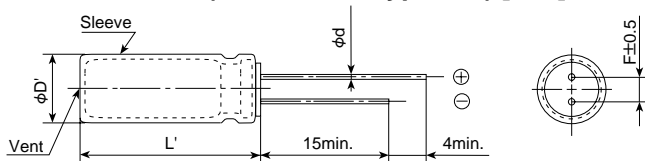
- Radial lead type ranging from φ20×20 to φ22×50mm
- For input filtering of power supplies
- Endurance with ripple current : 105°C 2000 hours
- Non solvent-proof type



◆SPECIFICATIONS

Items	Characteristics		
Category	-25 to +105°C		
Temperature Range	-25 to +105°C		
Rated Voltage Range	160 to 450V _{dc}		
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)		
Leakage Current	I = 0.03CV or 3 mA, whichever is smaller. Where, I : Max. leakage current (µA), C : Nominal capacitance (µF), V : Rated voltage (V) (at 20°C after 5 minutes)		
Dissipation Factor (tanδ)	0.15max. (at 20°C, 120Hz)		
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})	160 to 250V	400 & 450V
	Z(-25°C)/Z(+20°C)	4	6
	(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	≤±20% of the initial value	
	D.F. (tanδ)	≤200% of the initial specified value	
	Leakage current	≤500% of the initial specified value	

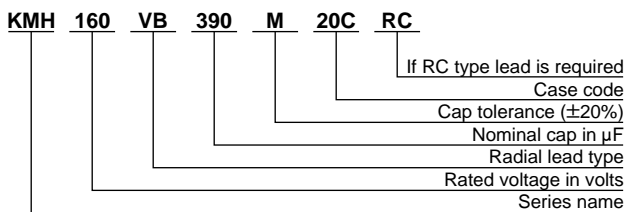
◆DIMENSIONS (Radial Lead Type=VB) [mm]



φD	20	22
φd	1.0	
F	10.0	
φD'	φD+0.5max.	
L'	L+2.0max.	

*Note : The snap-in forming type, RC-type, is available upon request, RC-type fits two φ2mm holes and 10.5mm spacing.

◆PART NUMBERING SYSTEM



◆CASE CODE [mm]

Case code	Case size φDXL	Case code	Case size φDXL
20S	20×20	22S	22×20
20A	20×25	22A	22×25
20B	20×30	22B	22×30
20C	20×35	22C	22×35
20D	20×40	22D	22×40
20E	20×45	22E	22×45
20F	20×50	22F	22×50

◆RATED RIPPLE CURRENT MULTIPLIERS

- Frequency Multipliers

Frequency (Hz)	50	120	300	1k	10k	50k
160 to 250V _{dc}	0.81	1.00	1.17	1.32	1.45	1.50
400 & 450V _{dc}	0.77	1.00	1.16	1.30	1.41	1.43



◆STANDARD RATINGS

μF	V _{dc} φD	160		200		250		400		450	
		20	22	20	22	20	22	20	22	20	22
33								20×20 0.29		20×25 0.31	
47									22×20 0.37		22×25 0.42
56								20×25 0.41		20×30 0.44	
68								20×30 0.49	22×25 0.51	20×35 0.51	22×30 0.52
82						20×20 0.46				20×40 0.60	22×35 0.60
100								20×35 0.62	22×30 0.64	20×45 0.69	22×40 0.71
120				20×20 0.52		20×25 0.60	22×20 0.59	20×40 0.72	22×35 0.73	20×50 0.78	22×45 0.81
150		20×20 0.58		20×25 0.63	22×20 0.62			20×45 0.85	22×40 0.88		22×50 0.93
180		20×25 0.69	22×20 0.68	20×25 0.69	22×25 0.75	20×30 0.79	22×25 0.79	20×50 0.96	22×45 0.99		
220		20×25 0.76	22×25 0.82	20×30 0.82	22×25 0.82	20×35 0.92	22×30 0.95		22×50 1.13		
270		20×30 0.91	22×25 0.91	20×30 0.91	22×30 0.98	20×40 1.09	22×35 1.14				
330		20×30 1.01	22×30 1.16	20×35 1.05	22×35 1.20	20×45 1.26	22×40 1.30				
390		20×35 1.15	22×30 1.27	20×40 1.22	22×35 1.31	20×50 1.41	22×45 1.49	← Upper : Case size φD×L (mm) ← Lower : Rated ripple current (Arms) at 105°C, 120Hz			
470		20×40 1.34	22×35 1.40	20×45 1.34	22×40 1.45		22×50 1.65				