

New!

**KXG Series**

- Downsized from current KMX series
- For electronic ballast circuits and other long life required applications
- Endurance with ripple current : 105°C 8000 to 10000hours
- Non solvent-proof type

KXG

↓ downsized

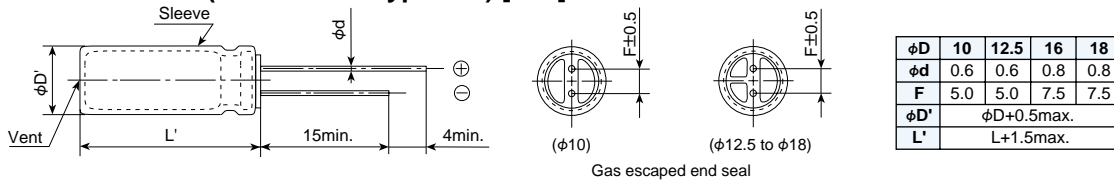
KMX



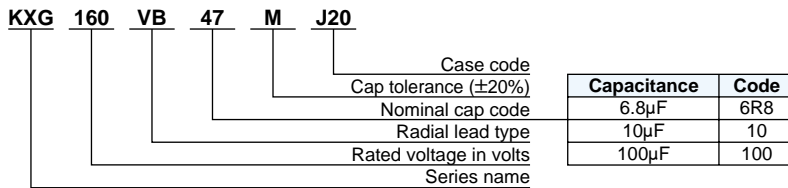
◆SPECIFICATIONS

Items	Characteristics			
Category	—40 to +105°C (160 to 400V <sub>dc</sub> ) —25 to +105°C (450V <sub>dc</sub> )			
Temperature Range				
Rated Voltage Range	160 to 450V <sub>dc</sub>			
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)			
Leakage Current		After 1 minute	After 5 minutes	
	CV ≤ 1000	I = 0.1CV + 40	I = 0.03CV + 15	
	CV > 1000	I = 0.04CV + 100	I = 0.02CV + 25	
	Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C)			
Dissipation Factor (tanδ)	Rated voltage (V <sub>dc</sub> )	160 to 250V	350 & 400V	450V
	tanδ (Max.)	0.20	0.24	0.24
	(at 20°C, 120Hz)			
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V <sub>dc</sub> )	160 to 250V	350 & 400V	450V
	Z(-25°C)/Z(+20°C)	3	5	6
	Z(-40°C)/Z(+20°C)	6	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 10000 hours (8000 hours for φ10) 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]



◆PART NUMBERING SYSTEM



◆RATED RIPPLE CURRENT MULTIPLIERS

- Frequency Multipliers

Capacitance (μF)	Frequency (Hz)			
	120	1k	10k	100k
6.8 to 82	1.0	1.75	2.25	2.50
100 to 330	1.0	1.67	1.75	2.25

New!

KXG Series

◆STANDARD RATINGS

V <sub>dc</sub> (μF)	Items	160				200				250			
		Case size φD×L (mm)	Case code	Rated ripple current (mArms/105°C)		Case size φD×L (mm)	Case code	Rated ripple current (mArms/105°C)		Case size φD×L (mm)	Case code	Rated ripple current (mArms/105°C)	
				120Hz	100kHz			120Hz	100kHz			120Hz	100kHz
10		10×16	J16	125	315	10×16	J16	125	315	10×20	J20	140	350
22		10×20	J20	200	500	10×20	J20	200	500	10×20	J20	200	500
33		10×20	J20	250	625	10×20	J20	260	650	12.5×20	K20	320	800
47		10×20	J20	300	750	12.5×20	K20	390	975	12.5×20	K20	390	975
68		12.5×20	K20	470	1,175	12.5×20	K20	470	1,175	16×20	L20	520	1,300
82		12.5×20	K20	510	1,275	16×20	L20	550	1,375	16×20	L20	550	1,375
100		12.5×25	K25	620	1,395	16×20	L20	630	1,420	16×25	L25	680	1,530
		16×20	L20	630	1,420								
150		16×20	L20	770	1,735	16×25	L25	840	1,890	18×25	M25	860	1,935
220		16×25	L25	1,020	2,295	18×25	M25	1,050	2,365	18×31.5	M31	1,130	2,545
330		18×31.5	M31	1,390	3,130	18×35.5	M35	1,430	3,220				

V <sub>dc</sub> (μF)	Items	350				400				450			
		Case size φD×L (mm)	Case code	Rated ripple current (mArms/105°C)		Case size φD×L (mm)	Case code	Rated ripple current (mArms/105°C)		Case size φD×L (mm)	Case code	Rated ripple current (mArms/105°C)	
				120Hz	100kHz			120Hz	100kHz			120Hz	100kHz
6.8		10×16	J16	110	275	10×16	J16	110	275	10×20	J20	110	275
10		10×20	J20	140	350	10×20	J20	140	350	12.5×20	K20	180	450
15						12.5×20	K20	220	550	12.5×25	K25	240	600
22		12.5×20	K20	260	650	12.5×20	K20	260	650	16×20	L20	290	725
33		16×20	L20	360	900	16×20	L20	360	900	16×25	L25	390	975
	18×20									M20	380	950	
47		16×20	L20	430	1,075	16×25	L25	470	1,175	18×25	M25	480	1,200
68		16×25	L25	560	1,400	18×20	M20	450	1,125	18×25	M25	480	1,200
		18×20	M20	550	1,375								
82		18×25	M25	610	1,525	18×25	M25	610	1,525	18×31.5	M31	630	1,575
100		18×25	M25	700	1,575	18×31.5	M31	765	1,720	18×40	M40	800	1,800
120		18×31.5	M31	830	1,865	18×35.5	M35	865	1,945				
150		18×35.5	M35	960	2,160	18×40	M40	985	2,215				