

Koshin

KRH Aluminium Electrolytic Capacitors

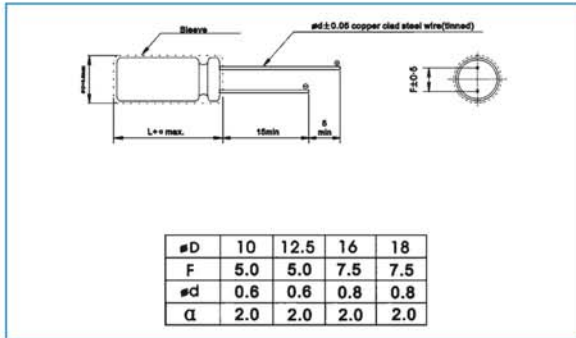
105°C Use, Long Life Capacitors, Series KRH.

Guarantees 5000 hours at 105°C

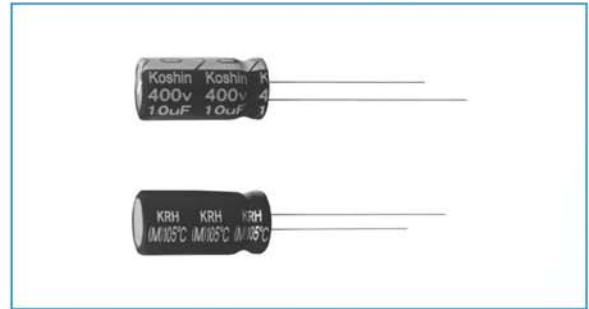


Outline Drawing

Unit: mm



Photo



Marking color: White print on black sleeve

Specifications

No.	Item	Performance							
1	Temperature range (°C)	160 ~ 250V: -40 to +105 ; 350 ~ 450V: -25 to +105							
2	Leakage current (μ A)	Less than 0.02CV (after two minutes) C: Capacitance (μ F) V: Rated voltage(V) 20°C							
3	Capacitance tolerance (%)	± 20 (20°C, 120Hz)							
4	Tangent of the loss angle (Tan δ)	Rated voltage (V)	160	200	250	350	400	450	(20°C, 120Hz)
		Tan δ (max)	0.15	0.15	0.15	0.15	0.15	0.15	
5	Low temperature characteristics	Rated voltage (V)	160	200	250	350	400	450	(120Hz)
		Impedance ratio (max)	Z(-25°C)/Z(+20°C)	3	3	3	6	6	
			Z(-40°C)/Z(+20°C)	6	6	6	-	-	-
6	Endurance (105°C) (Applied ripple current)	Test time	5000hours						
		Leakage current	The initial specified value or less						
		Percentage of capacitance change	Within ± 20% of initial value						
		Tangent of the loss angle	200% or less of the initial specified value						
7	Shelf life (105°C)	Test time	1000hours						
		Leakage current	The initial specified value or less						
		Percentage of capacitance change	Within ± 20% of initial value						
		Tangent of the loss angle	200% or less of the initial specified value						
		Voltage application treatment: According to JIS-C-5102							
8	Applicable standards	JIS-C-5102 and JIS-C-5141							

Coefficient of Frequency for Ripple Current

Capacitance (μ F)	Frequency (Hz)	120	400	1K	10K	100K
CAP ≤ 100		1.00	1.62	1.91	2.50	2.94
100 < CAP ≤ 1000		1.00	1.89	1.94	2.54	2.70
100 < CAP		1.00	1.34	1.25	1.73	1.92

Coefficient of Temperature for Ripple Current

Temperature(°C)	65	85	105
Multiplier	2.0	1.65	1.0

DIMENSION & PERMISSIBLE RIPPLE CURRENT

Dimension: Φ DXL(mm)

Ripple Current: mA/rms at 120Hz, 105°C

μ F	V.DC Contents	160V		200V		250V		350V		400V		450V	
		Φ D x L	mA	Φ D x L	mA	Φ D x L	mA	Φ D x L	mA	Φ D x L	mA	Φ D x L	mA
6.8												10X20	78
10						10X20	110	10X20	120	10X20	120	12.5X20	120
22		10X20	170	10X20	170	12.5X20	180	12.5X20	190	12.5X25	210	12.5X25	230
33		10X20	215	12.5X20	235	12.5X25	245	12.5X25	280	12.5X25	280	16X25	300
47		12.5X20	270	12.5X20	280	12.5X25	295	16X25	335	16X25	380	16X31.5	342
68		12.5X25	340	12.5X25	355	16X25	390	16X31.5	370	16X31.5	430	18X35.5	363
100		16X25	480	16X25	490	16X31.5	510	18X31.5	520	18X40	560		
150		16X31.5	635	16X35.5	640	18X31.5	650						
220		16X35.5	720	18X31.5	760	18X40	830						
330		18X40	950										