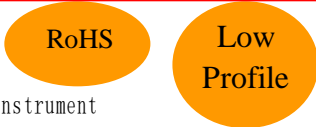




- CW0 series to Low profile (15mm)
- Endurance with ripple current:3000hours at 105°C;
- Apply to Flame detector, lcd television, Low Profile type Instrument

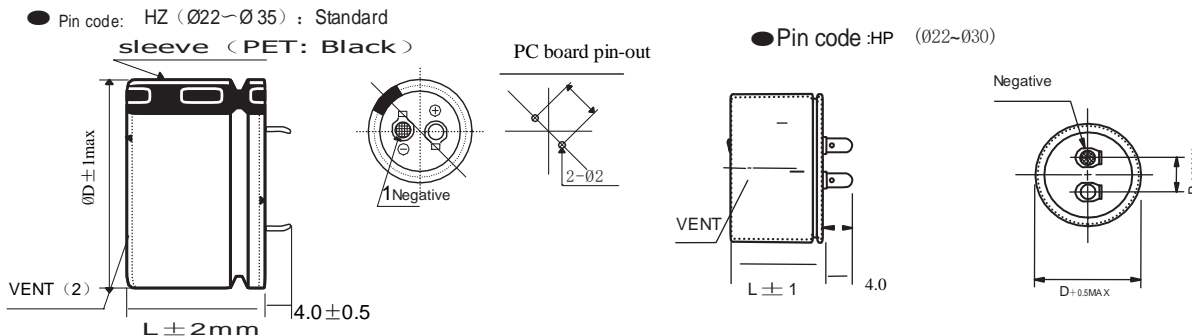


Electronic measuring instrument, High frequency High pressure High power driving power supply, Industrial control power supply

◆ SPECIFIC ATIONS

items	characteristics	
Category temperature Range	-40~+105°C	
Rated voltage Range	160~400 _{VDC}	
Capacitance Tolerance	±20% (M) 20°C、120HZ	
Leakage Current	I=0.01CV or 5mA, whichever is smaller I: Where, I : Max. leakage current (µA), C: Nominal capacitance (µF), Rated voltage (V)at 20°Cafter 5 minutes)	
Dissipation Factor (MAX)	≤Specifications 20°C、120HZ	
Low Temperature characteristics	Rated voltage (Vdc)	160~400
	Z(-25°C)/Z(+20°C)	≤4
Equivalent series inductance	≤50nH	
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 (the peak voltage shall not exceed the rated voltage) for 3,000 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. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4	
	Capacitance change	≤±20% of the initial value
	D.F. (tanδ)	≤200% of the initial specified value
	Leakage current	≤The initial specified value

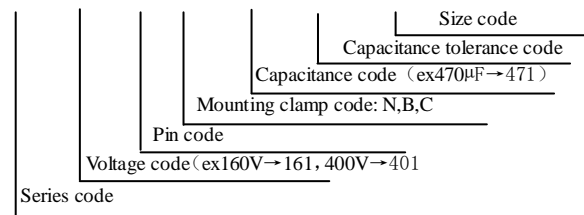
◆ size Fig (snap-in Fig)[mm]



The standard design has no plastic disc

◆ PART NUMBERING SYSTEM

123 456 78 9 10 11 12 13 14 1516
CWK □□□ HZ □ □□□ M □□□



STANDARD RATINGS

WV [Vdc]	cap [μ F]	Case size D x L [mm]	Tanδ 120Hz20℃	Ripple current (Ams/105 ℃, 120Hz)	Par t NO.	WV [Vdc]	cap [μ F]	Case size D x L [mm]	Tanδ 120Hz20℃	Ripple current (Ams/105 ℃, 120Hz)	Par t NO.
160	150	22×15	0.20	0.68	CWK161HZN151MP15	200	220	30×15	0.20	0.90	CWK201HZN221MR15
	180	25.4×15	0.20	0.79	CWK161HZN181MQ15		270	35×15	0.20	1.00	CWK201HZN271MA15
	220	25.4×15	0.20	0.88	CWK161HZN221MQ15		330	35×15	0.20	1.07	CWK201HZN331MA15
	270	30×15	0.20	0.96	CWK161HZN271MR15	250	82	22×15	0.20	0.50	CWK251HZN820MP15
	330	30×15	0.20	1.06	CWK161HZN331MR15		100	25.4×15	0.20	0.59	CWK251HZN101MQ15
	390	35×15	0.20	1.20	CWK161HZN391MA15		120	25.4×15	0.20	0.65	CWK251HZN121MQ15
180	120	22×15	0.20	0.61	CWK181HZN121MP15		150	30×15	0.20	0.71	CWK251HZN151MR15
	150	25.4×15	0.20	0.73	CWK181HZN151MQ15		180	30×15	0.20	0.79	CWK251HZN181MR15
	180	25.4×15	0.20	0.79	CWK181HZN181MQ15		220	35×15	0.20	0.90	CWK251HZN221MA15
	220	30×15	0.20	0.86	CWK181HZN221MR15	400	39	22×15	0.20	0.35	CWK401HZN390MP15
	270	30×15	0.20	0.96	CWK181HZN271MR15		47	25.4×15	0.20	0.40	CWK401HZN470MQ15
	330	35×15	0.20	1.10	CWK181HZN331MA15		56	25.4×15	0.20	0.44	CWK401HZN560MQ15
390	35×15	0.20	1.17	CWK181HZN391MA15	68		30×15	0.20	0.46	CWK401HZN680MR15	
200	120	22×15	0.20	0.61	CWK201HZN121MP15		82	30×15	0.20	0.51	CWK401HZN820MR15
	150	25.4×15	0.20	0.73	CWK201HZN151MQ15		100	35×15	0.20	0.56	CWK401HZN101MA15
	180	30×15	0.20	0.79	CWK201HZN181MR15	120	35×15	0.20	0.62	CWK401HZN121MA15	

◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

Frequency (HZ)	50	120	300	1K	10K	50K
160~250vdc	0.81	1.00	1.17	1.32	1.45	1.50
400vdc	0.77	1.00	1.16	1.30	1.41	1.43

×The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5℃ rise when long life performance is required in actual use, the rms ripple current has to be reduced.