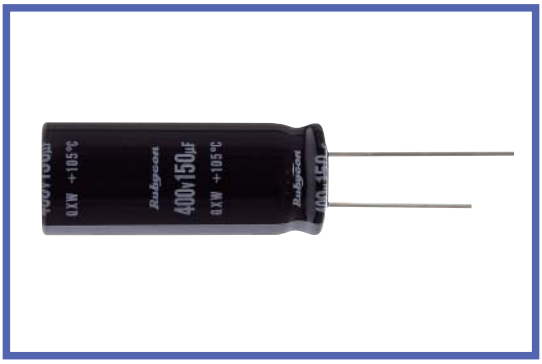
QXW SERIES NEW



◆FEATURES

- Load Life : 105°C 2000 hours.
- Body diameter of φ 10mm to φ 18mm with high ripple current capability.
- This series is one class smaller than the current KXW series.
- RoHS compliance.

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−25 ~+105°C
Rated Voltage Range	400, 420, 450V.DC
Capacitance Tolerance	±20%(20°C,120Hz)
Leakage Current(MAX)	I=3 $\sqrt{CV}$ (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)
Dissipation Factor(MAX) (tanδ)	Rated Voltage (V): 400 / 420,450; tanδ: 0.15 / 0.2 (20°C,120Hz)
Endurance	After applying rated voltage with rated ripple current for 2000hrs at 105°C, the capacitors shall meet the following requirements. Capacitance Change: Within ±20% of the initial value. Dissipation Factor: Not more than 200% of the specified value. Leakage Current: Not more than the specified value.
Impedance Ratio(MAX)	Rated Voltage (V): 400~450; Z(−25°C)/Z(20°C): 8 (120Hz)

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

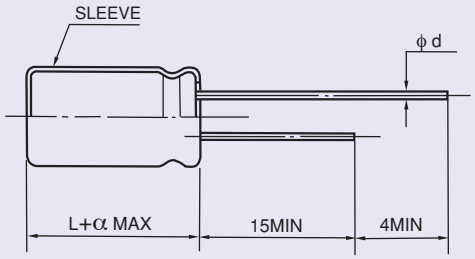
Frequency (Hz)	60	120	500	1k	10k≦
Coefficient	0.8	1.00	1.25	1.40	1.50

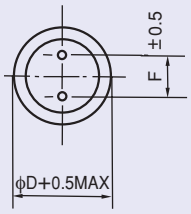
◆PART NUMBER

□□□	QXW	□□□□□	□	EFC	□□	D×L
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

◆DIMENSIONS

(mm)





φ D	10	12.5	14.5	16	18
φ d	0.6		0.8		
F	5.0		7.5		
α	2.0				

◆STANDARD SIZE

WV / Cap (μF) / φD	400										420									
	φ10		φ12.5		φ14.5		φ16		φ18		φ10		φ12.5		φ14.5		φ16		φ18	
33	10×30	0.33									10×30	0.32								
39	10×35	0.37									10×35	0.36								
47	10×40	0.43									10×40	0.41								
56	10×45	0.48	12.5×30	0.47							10×50	0.49	12.5×30	0.46						
68			12.5×35	0.54									12.5×35	0.53						
82			12.5×40	0.62	14.5×31.5	0.61							12.5×45	0.63	14.5×31.5	0.6				
100			12.5×50	0.73	14.5×35	0.70	16×31.5	0.71					12.5×50	0.71	14.5×40	0.72	16×31.5	0.69		
120					14.5×40	0.79	16×35	0.80							14.5×45	0.81	16×35	0.78	18×31.5	0.8
150					14.5×50	0.94	16×40	0.92	18×31.5	0.89							16×45	0.94	18×35	0.92
180							16×50	1.08	18×40	1.06							16×50	1.05	18×40	1.04
220									18×45	1.20									18×50	1.22

WV / Cap (μF) / φD	450									
	φ10		φ12.5		φ14.5		φ16		φ18	
27	10×30	0.30								
33	10×35	0.34								
39	10×40	0.39								
47	10×45	0.44	12.5×30	0.43						
56			12.5×35	0.49						
68			12.5×40	0.56	14.5×31.5	0.56				
82			12.5×45	0.63	14.5×35	0.63	16×31.5	0.64		
100					14.5×40	0.72	16×35	0.73		
120					14.5×50	0.85	16×40	0.82	18×31.5	0.80
150							16×50	0.98	18×40	0.97
180									18×45	1.09
220									18×50	1.22

Size φD×L(mm)

Ripple Current (A r.m.s./105°C, 120Hz)