



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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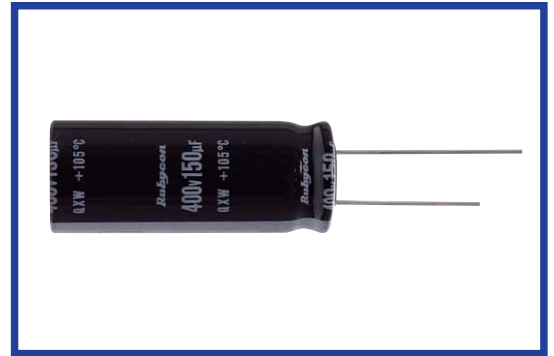
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QXW SERIES
105°C Ultra Miniaturized
◆FEATURES

- Load Life : 105°C 2000 hours.
- Body diameter of φ10mm to φ18mm 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	400~450V.DC								
Capacitance Tolerance	±20%(20°C,120Hz)								
Leakage Current(MAX)	$I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) I =Leakage Current(μ A) C =Capacitance(μ F) V =Rated Voltage(V)								
(tan δ) Dissipation Factor(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>400</th> <th>420,450</th> <th>(20°C,120Hz)</th> </tr> </thead> <tbody> <tr> <td>tanδ</td> <td>0.15</td> <td>0.20</td> <td></td> </tr> </tbody> </table>	Rated Voltage (V)	400	420,450	(20°C,120Hz)	tan δ	0.15	0.20	
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tan δ	0.15	0.20							
Endurance	After applying rated voltage with rated ripple current for 2000 hours at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±20% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </tbody> </table>	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.		
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Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>400~450</th> <th>(120Hz)</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>8</td> <td></td> </tr> </tbody> </table>	Rated Voltage (V)	400~450	(120Hz)	Z(-25°C)/Z(20°C)	8			
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Z(-25°C)/Z(20°C)	8								

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency Coefficient

Frequency (Hz)		60(50)	120	500	1k	10k \leq
Coefficient	400~450WV	0.8	1.00	1.25	1.40	1.50

◆OPTION

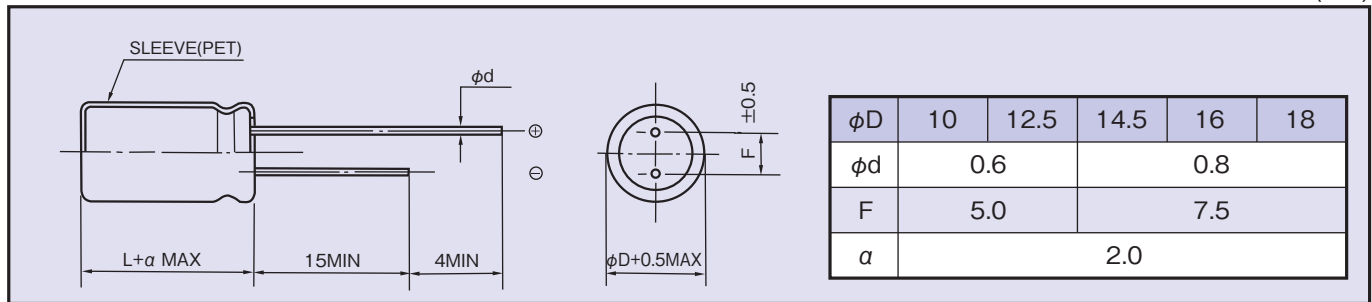
	Code
PET Sleeve	EFC

◆PART NUMBER

<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u>	<u> </u> <u> </u> <u> </u> <u> </u>
Rated Voltage	QXW Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

◆ DIMENSIONS

(mm)



◆ STANDARD SIZE

Rated Voltage (V.DC)	Capacitance (μF)	Size $\phi D \times L$ (mm)	Rated Ripple Current (A r.m.s. 105°C, 120Hz)
400	33	10×30	0.33
	39	10×35	0.37
	47	10×40	0.43
	56	10×45	0.48
	56	12.5×30	0.47
	68	12.5×35	0.54
	82	12.5×40	0.62
	82	14.5×31.5	0.61
	100	12.5×50	0.73
	100	14.5×35	0.70
	100	16×31.5	0.71
	120	14.5×40	0.79
	120	16×35	0.80
	150	14.5×50	0.94
	150	16×40	0.92
	150	18×31.5	0.89
	180	16×50	1.08
	180	18×40	1.06
220	18×45	1.20	
420	33	10×30	0.32
	39	10×35	0.36
	47	10×40	0.41
	56	10×50	0.49
	56	12.5×30	0.46
	68	12.5×35	0.53
	82	12.5×45	0.63
	82	14.5×31.5	0.60
	100	12.5×50	0.71
	100	14.5×40	0.72
	100	16×31.5	0.69
	120	14.5×45	0.81
	120	16×35	0.78
	120	18×31.5	0.80
	150	16×45	0.94
	150	18×35	0.92
	180	16×50	1.05
	180	18×40	1.04
220	18×50	1.22	

Rated Voltage (V.DC)	Capacitance (μF)	Size $\phi D \times L$ (mm)	Rated Ripple Current (A r.m.s. 105°C, 120Hz)
450	27	10×30	0.30
	33	10×35	0.34
	39	10×40	0.39
	47	10×45	0.44
	47	12.5×30	0.43
	56	12.5×35	0.49
	68	12.5×40	0.56
	68	14.5×31.5	0.56
	82	12.5×45	0.63
	82	14.5×35	0.63
	82	16×31.5	0.64
	100	14.5×40	0.72
	100	16×35	0.73
	120	14.5×50	0.85
	120	16×40	0.82
	120	18×31.5	0.80
	150	16×50	0.98
	150	18×40	0.97
180	18×45	1.09	
220	18×50	1.22	