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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VXR SERIES

105℃ 7000 hours

•Load Life : 105℃ 7000 hours.

RoHS compliance

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−25～+105℃
Rated Voltage Range	160～450Vdc
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	I=3$\sqrt{CV}$ (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)
Dissipation Factor(MAX) (tanδ)	Rated Voltage (Vdc): 160～250 / 315～450; tanδ: 0.15 / 0.20 (20℃,120Hz)
Endurance	After applying rated voltage with rated ripple current for 7000 hours at 105℃, 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.
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (Vdc): 160～250 / 315～450; Z(−25℃)/Z(20℃): 3 / 8 (120Hz)

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency(Hz)		60(50)	120(100)	300	500	1k	10k≦
Coefficient	160～250Vdc	0.80	1.00	1.15	1.20	1.30	1.50
	315～450Vdc	0.80	1.00	1.15	1.20	1.25	1.40

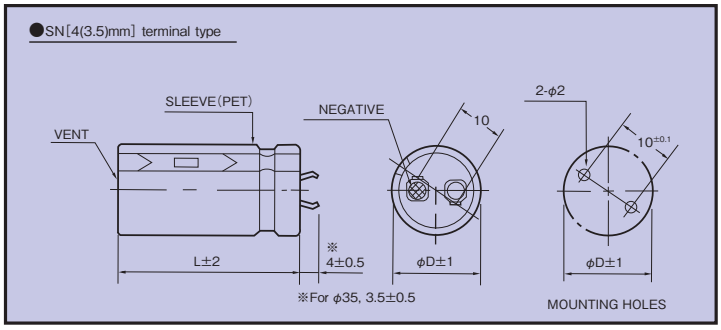
◆OPTION

	Code
PET Sleeve without plate	EFC

◆PART NUMBER

□□□ Rated Voltage | VXR Series | □□□□□ Capacitance | M Capacitance Tolerance | □□□ Option | SN Terminal Code | D×L Case Size

◆DIMENSIONS (mm)



◆STANDARD SIZE

Vdc / Cap(μF) \ φD	160								180							
	φ22		φ25		φ30		φ35		φ22		φ25		φ30		φ35	
220									22×25	1.00						
270	22×25	1.10							22×25	1.10						
330	22×25	1.20							22×30	1.20	25×25	1.20				
390	22×30	1.30	25×25	1.30					22×30	1.30	25×25	1.30				
470	22×35	1.40	25×30	1.40					22×35	1.40	25×30	1.40	30×25	1.40		
560	22×40	1.50	25×30	1.50	30×25	1.50			22×40	1.50	25×35	1.50	30×25	1.50		
680	22×45	1.70	25×35	1.70	30×30	1.70			22×45	1.70	25×35	1.70	30×30	1.70		
820	22×50	2.00	25×40	2.00	30×30	2.00					25×40	2.00	30×35	2.00	35×30	2.00
1000			25×45	2.20	30×35	2.20	35×30	2.20			25×50	2.20	30×35	2.20	35×30	2.20
1200			25×50	2.30	30×40	2.30	35×35	2.30					30×40	2.30	35×35	2.30
1500					30×45	2.50	35×35	2.50					30×50	2.50	35×40	2.50
1800					30×50	2.70	35×40	2.70							35×45	2.70
2200							35×45	2.90							35×50	2.90

Vdc / Cap(μF) \ φD	200								250							
	φ22		φ25		φ30		φ35		φ22		φ25		φ30		φ35	
180									22×25	0.90	25×25	0.90				
220	22×25	1.00							22×30	1.00	25×25	1.00				
270	22×30	1.10	25×25	1.10					22×35	1.10	25×30	1.10	30×25	1.10		
330	22×30	1.20	25×25	1.20					22×40	1.20	25×30	1.20	30×25	1.20		
390	22×35	1.30	25×30	1.30	30×25	1.30			22×45	1.30	25×35	1.30	30×30	1.30		
470	22×40	1.40	25×35	1.40	30×25	1.40			22×50	1.40	25×40	1.40	30×30	1.40	35×30	1.40
560	22×45	1.50	25×35	1.50	30×30	1.50					25×45	1.50	30×35	1.50	35×30	1.50
680	22×50	1.70	25×40	1.70	30×30	1.70					25×50	1.70	30×40	1.70	35×35	1.70
820			25×45	2.00	30×35	2.00	35×30	2.00					30×45	2.00	35×35	2.00
1000					30×40	2.20	35×35	2.20					30×50	2.20	35×40	2.20
1200					30×45	2.30	35×40	2.30							35×45	2.30
1500							35×50	2.50								

Vdc / Cap(μF) \ φD	315								350							
	φ22		φ25		φ30		φ35		φ22		φ25		φ30		φ35	
82	22×25	0.64							22×25	0.64						
100	22×30	0.69							22×30	0.69	25×25	0.69				
120	22×30	0.75	25×25	0.75					22×35	0.75	25×30	0.75				
150	22×35	0.82	25×30	0.82	30×25	0.82			22×40	0.82	25×30	0.82	30×25	0.82		
180	22×40	0.90	25×30	0.90	30×25	0.90			22×45	0.90	25×35	0.90	30×30	0.90		
220	22×45	1.00	25×35	1.00	30×30	1.00			22×50	1.00	25×40	1.00	30×30	1.00		
270			25×40	1.10	30×35	1.10	35×30	1.10			25×45	1.10	30×35	1.10	35×30	1.10
330			25×50	1.20	30×40	1.20	35×30	1.20					30×40	1.20	35×35	1.20
390					30×40	1.30	35×35	1.30					30×45	1.30	35×35	1.30
470					30×45	1.40	35×40	1.40					30×50	1.40	35×40	1.40
560							35×45	1.50							35×50	1.50
680							35×50	1.70								

Vdc / Cap(μF) \ φD	400								450							
	φ22		φ25		φ30		φ35		φ22		φ25		φ30		φ35	
39									22×25	0.37						
47									22×30	0.40						
56	22×25	0.51							22×35	0.47	25×25	0.47				
68	22×30	0.56	25×25	0.56					22×40	0.53	25×30	0.53				
82	22×30	0.64	25×25	0.64					22×45	0.56	25×35	0.56	30×25	0.56		
100	22×35	0.69	25×30	0.69					22×50	0.64	25×40	0.64	30×30	0.64		
120	22×40	0.75	25×30	0.75	30×25	0.75					25×45	0.72	30×30	0.72		
150	22×45	0.82	25×35	0.82	30×30	0.82					25×50	0.79	30×40	0.79	35×30	0.79
180	22×50	0.90	25×40	0.90	30×30	0.90	35×25	0.90					30×45	0.87	35×35	0.87
220			25×45	1.00	30×35	1.00	35×30	1.00					30×50	1.00	35×40	1.00
270					30×40	1.10	35×35	1.10							35×45	1.19
330					30×45	1.20	35×40	1.20							35×50	1.38
390							35×45	1.30								
470							35×50	1.40								

Case Size φD×L(mm)

Ripple Current (A r.m.s./120Hz, 105℃)