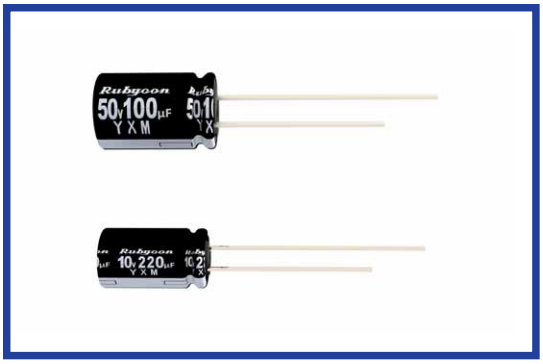
YXM SERIES

Load Life : 105℃ 10000 hours, Miniaturized



•Temperature Range : -40℃~+105℃

RoHS compliance

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−40~+105℃
Rated Voltage Range	10~100Vdc
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	I=0.01CV or 3μA whichever is greater.(After 2 minutes) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)
Dissipation Factor(MAX) (tanδ)	(20℃,120Hz)
Endurance	After applying rated voltage with rated ripple current for 10000 hours at 105℃, the capacitors shall meet the following requirements.
Low Temperature Stability Impedance Ratio(MAX)	(120Hz)

Rated Voltage (Vdc)	10	16	25	35	50	63	100
tanδ	0.45	0.35	0.30	0.22	0.19	0.17	0.15

Capacitance Change	Within ±25% of the initial value.
Dissipation Factor	Not more than 300% of the specified value.
Leakage Current	Not more than the specified value.

Rated Voltage (Vdc)	10	16	25	35	50	63	100
Z(−25℃)/Z(20℃)	8	6	4	4	3	3	3

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency(Hz)		120	1k	10k	100k≦
Coefficient	1~10μF	0.42	0.60	0.80	1.00
	22~33μF	0.55	0.75	0.90	1.00
	47~330μF	0.70	0.85	0.95	1.00

◆OPTION

	Code
PET Sleeve(−40~+105℃)	EFR ※

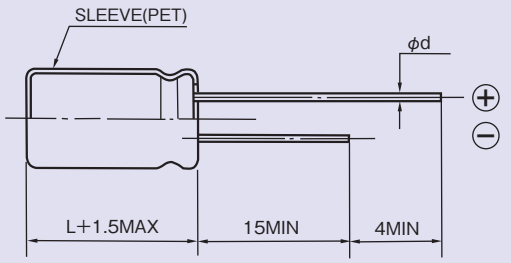
※PET Sleeve −25℃~+105℃(EFC)is also available, please consult our sales offices.

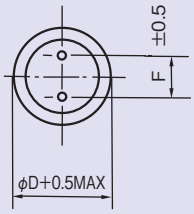
◆PART NUMBER

□□□	YXM	□□□□□	M	□□□	□□	D×L
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

◆DIMENSIONS

(mm)





φD	5	6.3	8
φd	0.5		0.6
F	2.0	2.5	3.5

◆STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L (mm)	Rated Ripple Current (mA r.m.s.105℃,100kHz)
10	100	5×11	130
	220	6.3×11	210
	330	8×11.5	330
16	47	5×11	130
	100	6.3×11	210
	220	8×11.5	330
25	33	5×11	130
	47	5×11	130
	100	6.3×11	210
35	33	5×11	130
	47	6.3×11	210
	100	8×11.5	330

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L (mm)	Rated Ripple Current (mA r.m.s.105℃,100kHz)	
50	1	5×11	25	
	2.2	5×11	35	
	3.3	5×11	70	
	4.7	5×11	80	
	10	5×11	90	
	22	5×11	135	
	22	6.3×11	230	※
	33	6.3×11	190	
	47	6.3×11	190	
	100	8×11.5	270	
63	10	5×11	80	
	22	6.3×11	170	
	33	6.3×11	170	
	47	8×11.5	240	
100	1	5×11	40	
	2.2	5×11	50	
	3.3	5×11	60	
	4.7	5×11	70	
	10	6.3×11	150	
	22	8×11.5	230	

※Endurance:13000hours at 105℃