

SAW SERIES

UPGRADE

105°C Overvoltage Venting Specification, Miniaturized

- Load Life : 105°C 2000 hours.
- This series has specification of vent operation in overvoltage situation.

RoHS
compliance

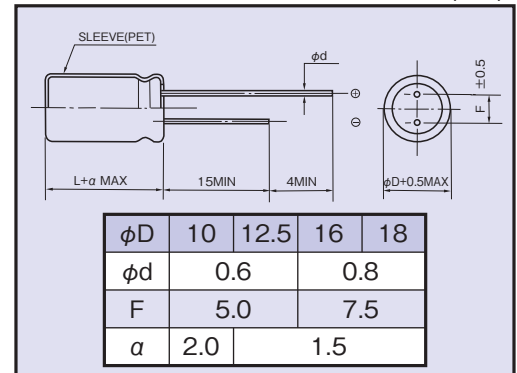


◆SPECIFICATIONS

Items	Characteristics			
Category Temperature Range	-25~+105℃			
Rated Voltage Range	200~450Vdc			
Capacitance Tolerance	±20% (20℃,120Hz)			
Leakage Current(MAX)	I=3√CV (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)			
Dissipation Factor(MAX) (tanδ)	0.15 (20℃,120Hz)			
Endurance	After applying rated voltage with rated ripple current for 2000 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)	200	400, 450	(120Hz)
	Z(-25℃)/Z(20℃)	3	8	

◆DIMENSIONS

(mm)



◆STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L (mm)	Rated Ripple Current (A r.m.s./105°C, 120Hz)
200	120	16×20	0.49
	150	18×20	0.53
	180	16×30	0.66
	180	18×25	0.62
	220	16×30	0.71
	220	18×25	0.71
400	270	18×30	0.81
	18	12.5×20	0.14
	22	12.5×25	0.16
	27	12.5×25	0.18
	27	16×20	0.19
	33	16×20	0.21
	39	16×25	0.25
	39	18×20	0.25
	47	16×25	0.28
	47	18×20	0.28
	56	16×30	0.30
	56	18×25	0.30
	68	16×35	0.35
	68	18×25	0.33
	82	16×40	0.40
	82	18×30	0.38
	100	18×35	0.44
	120	18×40	0.50
450	4.7	10×12.5	0.065
	10	10×20	0.11
	22	16×20	0.18
	33	16×25	0.23
	39	18×25	0.25
	47	18×25	0.32
	56	18×35	0.45
	68	18×31.5	0.45
	68	18×35	0.47
	82	18×40	0.51

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		60 (50)	120	500	1k	10k≤
Coefficient	200Vdc	0.80	1.00	1.10	1.14	1.18
	400, 450Vdc	0.80	1.00	1.05	1.10	1.15

◆OPTION

	Code
PET Sleeve	EFC

◆PART NUMBER

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

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