

SAX Series

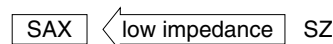
7mm height, Low impedance



SAX series measures 7mm height and have stable characteristics at the temperature of wide range (−55 to +105°C).

SAX series smaller in size and low impedance, so contributes toward miniaturization of any products.

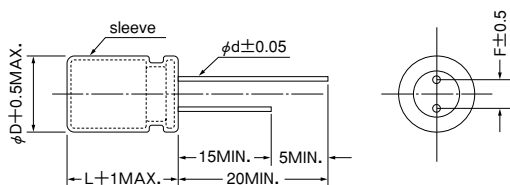
It is suitable for DC/DC converter, inverter for LCD backlight and noise limiter etc. Solvent proof (within 3 minutes).



Specifications

Items	Specifications				
Rated voltage (V)	6.3	10	16	25	35
Operating temperature range (°C)	−55 to +105				
Capacitance tolerance (%)	±20 (120Hz)				
Tangent of loss angle (tanδ) (MAX.) (120Hz)	0.24	0.20	0.16	0.14	0.12
Leakage current(L.C.) (μA/after 2min.) (MAX.)	The greater value of either 0.01CV or 3				
Impedance (120Hz) ratio at low temperature (MAX.)	Z−40°C/Z20°C	3	2	2	2
	Z−55°C/Z20°C	5	4	4	3
High-temperature load 105°C 1000 hrs. rated voltage applied	ΔC/C	Within ±25% of the initial value			
	tan δ	≤ Twice the initial standard			
	L.C.	≤ The initial standard			
Other characteristics	Conform to IEC 60384-4				

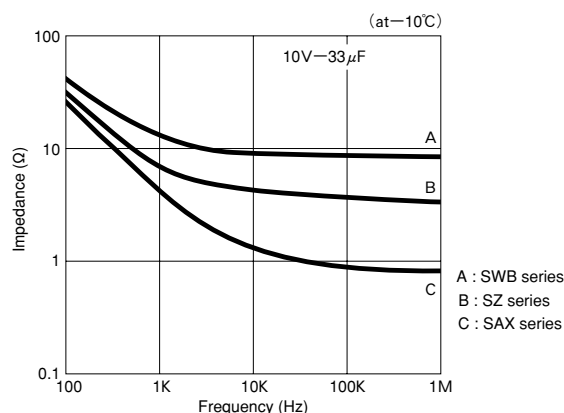
Dimensions



(Unit :mm)

φ D	4	5	6.3
F	1.5	2.0	2.5
φ d	0.45	0.45	0.45

Frequency vs. Impedance



Size List

μF \ V	6.3			10			16			25			35		
	Case size	Ripple current	Impedance	Case size	Ripple current	Impedance	Case size	Ripple current	Impedance	Case size	Ripple current	Impedance	Case size	Ripple current	Impedance
4.7													4×7	1.15	90
10									4×7	1.15	90	5×7	0.49	160	
15							4×7	1.15	90	5×7	0.49	160	6.3×7	0.29	280
22				4×7	1.15	90	5×7	0.49	160	5×7	0.49	160	6.3×7	0.29	280
33				5×7	0.49	160				6.3×7	0.24	280	6.3×7	0.29	280
47	5×7	0.49	160				6.3×7	0.24	280	6.3×7	0.24	280	6.3×7	0.29	280
68										6.3×7	0.24	280			
100				6.3×7	0.24	280	6.3×7	0.24	280	6.3×7	0.29	280			
150				6.3×7	0.24	280	6.3×7	0.29	280						
220	6.3×7	0.24	280	6.3×7	0.29	280	6.3×7	0.29	280						
330	6.3×7	0.29	280												

Case size ; φD×L (mm)

Impedance ; (Ω) MAX. at 100kHz, 20°C

Maximum permissible ripple current ; (mA r.m.s.) at 100kHz, 105°C

Model No. 35MV10SAX

Capacitance symbol
Rated voltage