

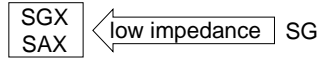
7mm in length, Low impedance (solvent proof)

SGX/SAX

Series

SGX/SAX series reduced high frequency impedance to 70 to 50% and increased maximum permissible ripple current as compared with SG series (same size series). SGX/SAX series has same characteristics as SG series even if 1 size smaller, so contributes toward miniaturization of any products.

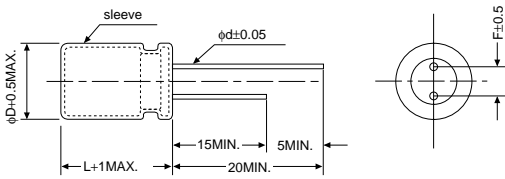
It is suitable for DC/DC converter, inverter for LCD backlight and noise limiter etc. Solvent proof (within 3 minutes).



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 (tan δ)(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} /Z _{20°C}	3	2	2	2
	Z _{-55°C} /Z _{20°C}	5	4	4	3
High-temperature load 105°C 1000hrs.	ΔC/C	Within ±25% of the initial value			
	tan δ	≤ Twice the initial standard			
rated voltage applied	L.C.	≤ The initial standard			
Other characteristics	Conform to IEC 384-4				

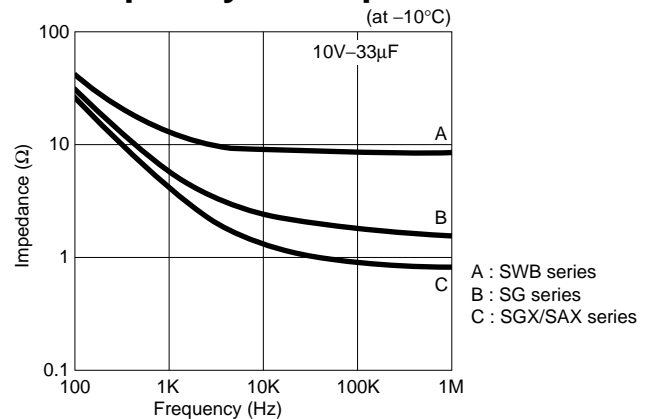
Dimensions



(unit : mm)

φD	4	5	6.3
F	1.5	2.0	2.5
φd	0.45	0.45	0.45

Frequency vs. Impedance



Size List

μF \ V	6.3		10			16			25			35		
	Case size	Ripple current	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. 35MV10SGX

10μF, nominal capacitance
 35V, rated voltage

35MV10SAX
 10μF, nominal capacitance
 35V, rated voltage