

Miniature Aluminum Electrolytic Capacitors

UGX/UAX Series

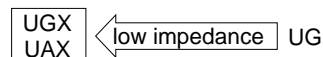
5mm in length, Low impedance (solvent proof)

UGX/UAX series reduced high frequency impedance to 60% and increased maximum permissible ripple current as compared with UG series (same size series).

UGX/UAX series has same characteristics as UG 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.

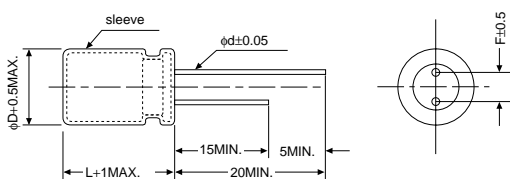
Solvent proof (within 2 minutes).



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. 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 384-4				

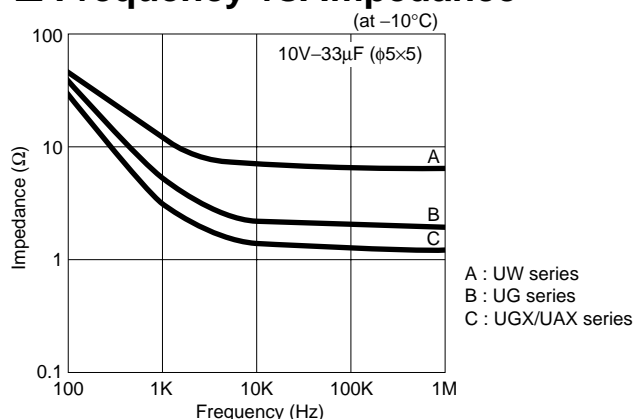
Dimensions



(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
4.7					4×5 2.20 80
10				4×5 2.20 80	5×5 0.76 150
15			4×5 2.20 80	5×5 0.76 150	5×5 0.76 150
22		4×5 2.20 80	5×5 0.76 150	5×5 0.76 150	5×5 0.76 150
27	4×5 2.20 80				
33		5×5 0.76 150		6.3×5 0.44 230	6.3×5 0.44 230
47	5×5 0.76 150		6.3×5 0.44 230	6.3×5 0.44 230	6.3×5 0.44 230
56	5×5 0.76 150			6.3×5 0.44 230	
68		6.3×5 0.44 230	6.3×5 0.44 230		
100	6.3×5 0.44 230		6.3×5 0.44 230		
120			6.3×5 0.44 230		
130		6.3×5 0.44 230			
150	6.3×5 0.44 230				
220	6.3×5 0.44 230				

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. 35MV10UGX

10μF, nominal capacitance
35V, rated voltage

Case size

Ripple current
Impedance

35MV10UAX
10μF, nominal capacitance
35V, rated voltage