

UZ Series

5mm in length, temperature of wide range
(solvent proof)

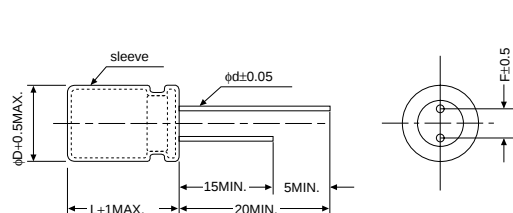
UZ series measures 5mm in length and have stable characteristics at the temperature of wide range (–55 to +105°C)
They are miniature, long life and solvent proof (within 2minutes).



Specifications

Items		Specifications					
Rated voltage (V)		6.3	10	16	25	35	50
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	0.10
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	2	2
	Z-55°C/Z20°C	5	4	4	3	3	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

Size List

μF \ V	6.3	10	16	25	35	50
0.10						4×5 30 10
0.22						4×5 16 10
0.33						4×5 13 15
0.47						4×5 12 20
1.0						4×5 11 25
2.2						4×5 9.8 30
3.3						4×5 8.0 35
4.7				4×5 5.6 45	4×5 7.5 35	5×5 3.8 50
10			4×5 5.6 45	5×5 2.6 65	5×5 3.8 50	6.3×5 2.0 70
22	4×5 5.6 45	5×5 2.6 65	5×5 2.6 65	6.3×5 1.6 100	6.3×5 2.0 70	6.3×5 2.0 70
33	5×5 2.6 65	5×5 2.6 65	6.3×5 1.6 100	6.3×5 1.6 100	6.3×5 2.0 70	
47	5×5 2.6 65	6.3×5 1.6 100	6.3×5 1.6 100	6.3×5 1.6 100	6.3×5 2.0 70	
100	6.3×5 1.6 100	6.3×5 1.6 100	6.3×5 1.6 100			
220	6.3×5 1.6 100					

Case size
Ripple current
Impedance

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. 16MV10UZ

10μF, nominal capacitance
16V, rated voltage