



High Grade Standard Type, For Audio Equipment



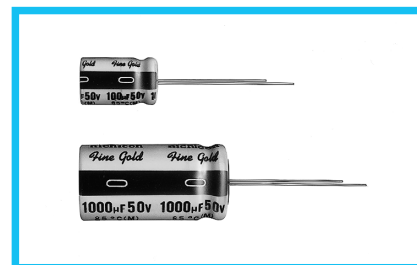
For Audio Use



Anti-Solvent Feature

- "Fine Gold" MUSE acoustic series suited for high grade audio equipment, using state of the art etching techniques.
- Rich sound in the bass register and clearer high end, most suited for AV equipment like DVD.
- Compliant to the RoHS directive (2011/65/EU).

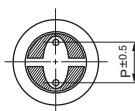
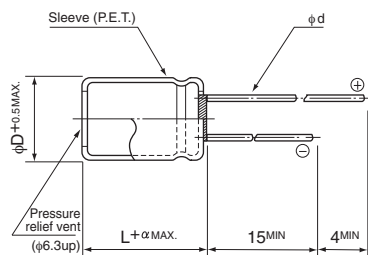
KZ ← High Grade **FG** ← High Grade FW



Specifications

Item	Performance Characteristics
Category Temperature Range	-40 to +85°C
Rated Voltage Range	6.3 to 100V
Rated Capacitance Range	0.1 to 10000µF
Capacitance Tolerance	±20% at 120Hz, 20°C
Leakage Current	After 1 minute's application of rated voltage at 20°C, leakage current is not more than 0.01CV or 3 (µA) , whichever is greater.
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz at 20°C
	Rated voltage (V)
	tan δ (MAX.)
Stability at Low Temperature	Measurement frequency : 120Hz
	Rated voltage (V)
	Impedance ratio ZT / Z20 (MAX.)
Endurance	Capacitance change
	tan δ
	Leakage current
Shelf Life	After storing the capacitors under no load at 85°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.
Marking	Printed with black color letter on gold sleeve.

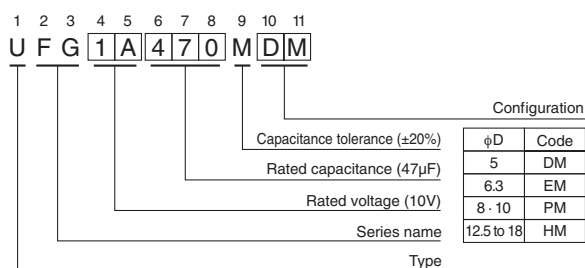
Radial Lead Type



	(mm)						
φD	5	6.3	8	10	12.5	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φd	0.6	0.6	0.6	0.6	0.8	0.8	0.8

α	(L < 20) 1.5
	(L ≥ 20) 2.0

Type numbering system (Example : 10V 47µF)



- Please refer to page 20 about the end seal configuration.

Please refer to page 20, 21, 22 about the formed or taped product spec.
Please refer to page 4 for the minimum order quantity.

• Dimension table in next page.

■ Dimensions

V		6.3	10	16	25	35	50
Cap.(μF)	Code	0J	1A	1C	1E	1V	1H
0.1	0R1						5 × 11
0.22	R22						5 × 11
0.33	R33						5 × 11
0.47	R47						5 × 11
1	010						5 × 11
2.2	2R2						5 × 11
3.3	3R3						5 × 11
4.7	4R7						5 × 11
10	100						5 × 11
22	220				5 × 11	50	6.3 × 11
33	330			5 × 11	57	6.3 × 11	75
47	470		5 × 11	60	6.3 × 11	85	8 × 11.5
100	101		6.3 × 11	99	8 × 11.5	140	10 × 12.5
220	221		8 × 11.5	170	10 × 12.5	260	10 × 20
330	331		10 × 12.5	247	10 × 16	309	10 × 20
470	471	10 × 12.5	270	10 × 16	330	10 × 20	406
1000	102	10 × 20	485	12.5 × 20	601	12.5 × 25	723
2200	222	12.5 × 25	867	16 × 25	1047	16 × 25	1290
3300	332	16 × 25	1135	16 × 31.5	1520	16 × 35.5	1794
4700	472	16 × 31.5	1431	16 × 35.5	1840	18 × 35.5	2140
6800	682	18 × 35.5	1810	18 × 40	2049		
10000	103	18 × 40	2100				

V		63	80	100
Cap.(μF)	Code	1J	1K	2A
0.1	0R1			5 × 11
0.22	R22			5 × 11
0.33	R33			5 × 11
0.47	R47			5 × 11
1	010			5 × 11
2.2	2R2			5 × 11
3.3	3R3			5 × 11
4.7	4R7			5 × 11
10	100	6.3 × 11	50	6.3 × 11
22	220	8 × 11.5	85	8 × 11.5
33	330	8 × 11.5	105	10 × 12.5
47	470	10 × 12.5	140	10 × 16
100	101	10 × 20	255	10 × 20
220	221	12.5 × 20	420	12.5 × 20
330	331	12.5 × 25	541	16 × 25
470	471	16 × 25	840	16 × 31.5
1000	102	18 × 35.5	1400	16 × 35.5

Rated ripple current (mA rms) at 85°C 120Hz

● Frequency coefficient of rated ripple current

Cap.(μF)	50Hz	120Hz	300Hz	1kHz	10kHz or more
0.1 to 47	0.75	1.00	1.35	1.57	2.00
100 to 470	0.80	1.00	1.23	1.34	1.50
1000 to 10000	0.85	1.00	1.10	1.13	1.15