

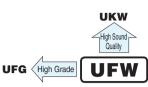
Standard, For Audio Equipment





• Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).



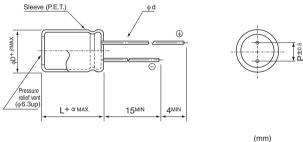




■ Specifications

Item	Performance Characteristics													
Category Temperature Range	-40 to +85°C													
Rated Voltage Range	6.3 to 100V													
Rated Capacitance Range	2.2 to 33000μF													
Capacitance Tolerance	±20% at 120Hz, 2	20°C												
Leakage Current	After 1 minute's ap After 2 minutes' ap													
	Rated voltage (V)	Rated voltage (V) 6.3 10 16 25 35 50 63 100						Measureme	nt frequency:	120Hz at 20°C				
Tangent of loss angle (tan δ)	tan δ (MAX.)	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.08					
	For capacitance of more than 1000µF, add 0.02 for every increase of 1000µF.													
	Measurement frequency : 120Hz													
Out till Towns of the	Rated voltage (V)			6.3	10	-	16	25	35	50	63	100		
Stability at Low Temperature	Impedance ratio	Z-25°C /	Z+20°C	5	4		3	2	2	2	2	2		
	(MAX.)	Z-40°C /	Z+20°C	12	10		8	5	4	3	3	3		
	The specifications when the capacito	Сара	Capacitance change Within ±20% of the initial capacitance value											
Endurance	the rated voltage i				tan δ	tan δ 200% or less that				e initial specifie	ed value			
	85°C.	ο αρρίισα ι	01 2000	nours at	Leak	age curre	ent	Less than	or equal to	the initial specified value				
0	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.													
Shelf Life	clause 4.1 at 20°C	; they sha	ııı meet ti	ie specilied	i values i	or the en	durance	e characten	Sucs listed	above.				

■Radial Lead Type

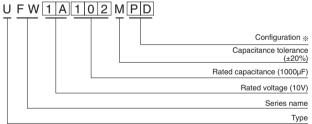


										(mm)
φD	5	6.3	8	10	12.5	16	18	20	22	25
Р	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10	10	12.5
φd	0.5	0.5	0.6	0.6	0.6	0.8	0.8	1.0	1.0	1.0
β	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0

۸,	(φD < 20) 1.5
α	(φD ≥ 20) 2.0

1 2 3 4 5 6 7 8 9 10 11

Type numbering system (Example : 10V 1000µF)



X Configuration

φD	Pb-free leadwire Pb-free PET sleeve
5	DD
6.3	ED
8 -10	PD
12.5 to 18	HD
20 to 25	RD

• 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.

UFW

■Dimensions

	V	6.3		10		16		25		35		50		63		100	
Cap.(µF)	Code	0J		1A		1C		1E		1V		1H		1J		2A	
2.2	2R2				! !		 				 	5×11	23		 	5×11	30
3.3	3R3				 		 				 	5×11	35		 	5×11	40
4.7	4R7		 		 		 		 		 	5×11	40		 - -	5×11	45
10	100				! !		 				! !	5×11	65	5×11	70	6.3×11	75
22	220				i !		<u>.</u>				i !	5×11	95	5×11	100	6.3×11	120
33	330				 		 			5×11	105	5×11	120	6.3×11	140	8×11.5	160
47	470						 	5×11	115	5×11	120	6.3×11	150	6.3×11	165	10 × 12.5	210
100	101			5×11	145	5×11	155	6.3×11	185	6.3×11	200	8×11.5	250	10×12.5	300	10×20	350
220	221		 	6.3×11	230	6.3×11	250	8×11.5	320	10 × 12.5	370	10 × 12.5	410	10×16	470	12.5 × 25	600
330	331	6.3×11	265	6.3 × 11	270	8×11.5	360	10 × 12.5	420	10 × 12.5	470	10×16	570	10×20	650	12.5 × 25	750
470	471	6.3×11	310	6.3 × 11	330	8×11.5	420	10 × 12.5	530	10×16	630	12.5 × 20	760	12.5 × 20	880	16×25	1000
1000	102	8×11.5	530	10 × 12.5	630	10×16	770	10×20	950	12.5 × 20	1100	12.5 × 25	1300	16×25	1300	18×40	1370
2200	222	10×20	980	10×20	1050	12.5×20	1250	12.5 × 25	1550	16×25	1800	16×35.5	2090	18×35.5	2200	22×50	2400
3300	332	10×20	1170	12.5 × 20	1420	12.5 × 25	1700	16×25	1950	16×35.5	2220	18×35.5	2360	20×40	2700	25 × 50	2900
4700	472	12.5 × 20	1350	12.5 × 25	1800	16×25	2100	16×31.5	2360	18 × 35.5	2490	20×40	2900	22×50	3400		
6800	682	12.5 × 25	1600	16×25	2150	16×35.5	2500	18 × 35.5	2590	20×40	3000	22×50	3500	25×50	3500		
10000	103	16×25	2000	16×35.5	2500	18 × 35.5	2640	20×40	3000	22×50	3700	25×50	4000		 		
15000	153	16×35.5	2550	18 × 35.5	2720	20×40	3400	22×50	3800	25 × 50	4300						
22000	223	18×40	3200	20×40	3700	22×50	4200	25×50	4500		!				 		
33000	333	22×50	3900	22×50	4500	25×50	4800				 					Case size ϕ D × L (mm)	Rated ripple

Rated ripple current (mArms) at 85° C 120Hz

• Frequency coefficient of rated ripple current

Cap.(µF)	50Hz	120Hz	300Hz	1kHz	10kHz or more
2.2 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 33000	0.85	1.00	1.10	1.13	1.15

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Nichicon:

```
UFW1V331MPD UFW0J102MPD UFW0J103MHD UFW0J153MHD UFW0J222MPD UFW0J223MHD
UFW0J331MED UFW0J332MPD UFW0J333MRD UFW0J471MED UFW0J472MHD UFW0J682MHD
UFW1A101MDD UFW1A102MPD UFW1A103MHD UFW1A153MHD UFW1A221MED UFW1A222MPD
UFW1A223MRD UFW1A331MED UFW1A332MHD UFW1A333MRD UFW1A471MED UFW1A472MHD
UFW1A682MHD UFW1C101MDD UFW1C102MPD UFW1C103MHD UFW1C153MRD UFW1C221MED
UFW1C222MHD UFW1C223MRD UFW1C331MPD UFW1C332MHD UFW1C333MRD UFW1C471MPD
UFW1C472MHD UFW1C682MHD UFW1E101MED UFW1E102MPD UFW1E103MRD UFW1E153MRD
UFW1E221MPD UFW1E222MHD UFW1E223MRD UFW1E331MPD UFW1E332MHD UFW1E470MDD
UFW1E471MPD UFW1E472MHD UFW1E682MHD UFW1H010MDD UFW1H0R1MDD UFW1H100MDD
UFW1H101MPD UFW1H102MHD UFW1H103MRD UFW1H220MDD UFW1H221MPD UFW1H222MHD
UFW1H2R2MDD UFW1H330MDD UFW1H331MPD UFW1H332MHD UFW1H3R3MDD UFW1H470MED
UFW1H471MHD UFW1H472MRD UFW1H4R7MDD UFW1H682MRD UFW1HR22MDD UFW1HR33MDD
UFW1HR47MDD UFW1J100MDD UFW1J101MPD UFW1J102MHD UFW1J220MDD UFW1J221MPD
UFW1J472MRD UFW1J682MRD UFW1V101MED UFW1V102MHD UFW1V103MRD UFW1V153MRD
UFW1V221MPD UFW1V222MHD UFW1V330MDD UFW1V332MHD UFW1V470MDD UFW1V471MPD
UFW1V472MHD UFW1V682MRD UFW2A010MDD UFW2A0R1MDD
```