

• 105°C standard for audio equipment. • Compliant to the RoHS directive (2011/65/EU). • AEC-Q200 compliant. Please contact us for details.

For General Audio Equipment, Wide Temperature Range.



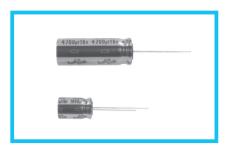








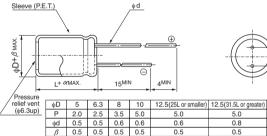




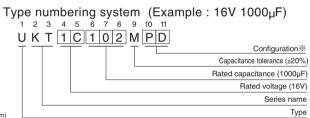
#### Specifications

Item			Parfo	mance Ch	aractoristi	CC				
	Performance Characteristics  -55 to +105°C									
Category Temperature Range										
Rated Voltage Range	6.3 to 50V									
Rated Capacitance Range	2.2 to 33000μF									
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 0.03CV or 4 ( $\mu$ A), whichever is greater. After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV or 3 ( $\mu$ A), whichever is greater.									
Tangent of loss angle (tan δ)	Rated voltage (V) 6.3 10	1	6	25	35	50	)	Measurement frequency: 120Hz at 20°C		
	tan δ (MAX.) 0.30 0.26	0.2	-	0.18	0.16	0.1		,		
	For capacitance of more than 1000µF, add 0.02 for every increase of 1000µF									
Stability at Low Temperature	Rated voltage (V)	6.3	10	16	25	35	50	Measurement frequency : 120Hz		
	Impedance ratio Z-25°C / Z+20°C	5	4	3	2	2	2			
	ZT / Z20 (MAX.) Z-40°C / Z+20°C	10	8	6	4	3	3			
	The specifications listed at right shall be	Capacitar	Within ±20% of the initial capacitance value							
Endurance	the capacitors are restored to 20°C after	tan δ	200%	200% or less than the initial specified value						
	voltage is applied for 1000 hours at 105°	Leakage current		Less than or equal to the initial specified value						
Shelf Life	After storing the capacitors under no load at 105°C tor 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 pearl bl	ue sleeve	).							

## ■Radial Lead Type



	)) 🛱				(mm)
5(31.5L or greater)	16	18	20	22	25
5.0	7.5	7.5	10.0	10.0	12.5



※ Configuration Pb-free leadwire Pb-free PET sleeve φD 6.3 ED PD 8 . 10 12.5 to 18

## ■ Dimensions

0.5 • Please refer to page 20 about the end seal configuration.

_									20 10 25	HD RD			
	V	6.3		10		16		25		35		50	
Cap.(µF)	code	0J		1A		1C		1E		1V		1H	
2.2	2R2					ļ				ļ		5×11	20
3.3	3R3											5 × 11	25
4.7	4R7	I				l		5×11	25	5 × 11	28	5 × 11	30
10	100					5 × 11	35	5 × 11	36	5 × 11	41	5 × 11	46
22	220	5 × 11	45	5 × 11	45	5 X 11	54	5 × 11	58	5 × 11	61	5 × 11	68
33	330	5 X 11	55	5 × 11	58	5 × 11	65	5 × 11	68	5 × 11	75	5 × 11	90
47	470	5 × 11	65	5 × 11	68	5 × 11	79	5 × 11	83	5 × 11	93	6.3 × 11	115
100	101	5 X 11	95	5 X 11	105	5 × 11	115	$6.3 \times 11$	140	$6.3 \times 11$	150	8 × 11.5	190
220	221	6.3 × 11	160	6.3 × 11	175	6.3 × 11	190	8 × 11.5	240	8 × 11.5	260	10 × 12.5	300
330	331	6.3 × 11	195	8 × 11.5	240	8 × 11.5	265	8 × 11.5	290	10 × 12.5	350	10 × 16	410
470	471	8 × 11.5	270	8 × 11.5	280	8 × 11.5	315	10 × 12.5	380	10 × 16	460	$12.5 \times 20$	530
1000	102	10 × 12.5	420	10 × 16	500	10 × 16	560	10 × 20	680	12.5 × 25	860	$12.5 \times 31.5$	1040
2200	222	10 × 20	710	$12.5 \times 20$	810	$12.5 \times 20$	920	$12.5 \times 31.5$	1200	$12.5 \times 40$	1260	$16 \times 35.5$	1470
3300	332	12.5 × 20	910	12.5 × 25	1050	$12.5 \times 31.5$	1270	$12.5 \times 35.5$	1400	$16 \times 35.5$	1610	18 × 35.5	1770
4700	472	$12.5 \times 25$	1120	$12.5 \times 35.5$	1300	$12.5 \times 35.5$	1480	$16 \times 31.5$	1710	$18 \times 35.5$	1910	$20 \times 40$	2100
6800	682	$12.5 \times 35.5$	1360	12.5 × 40	1570	16 × 31.5	1780	18 × 35.5	2040	20 × 40	2150	22 × 50	2500
10000	103	$12.5 \times 40$	1650	16 × 35.5	1890	$18 \times 35.5$	2060	20 × 40	2150	22 × 50	2650		i
15000	153	16× 35.5	2010	18 × 40	2400	$20 \times 40$	2430	$22 \times 50$	2750			0	
22000	223	18×40	2350	$22 \times 40$	2650	$22 \times 50$	3000					Case size	Rated
33000	333	22×50	2800	25 × 50	2880							φD×L (mm)	ripple

 0.8
 0.8
 1.0
 1.0
 1.0

 0.5
 0.5
 0.5
 1.0
 1.0

#### Frequency coefficient of rated ripple current

Frequency 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

Rated ripple current (mArms) at 105°C 120Hz

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

# **Mouser Electronics**

**Authorized Distributor** 

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### Nichicon:

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UKT0J101MDD UKT0J102MPD UKT0J103MHD UKT0J220MDD UKT0J221MED UKT0J222MPD UKT0J330MDD
 UKT0J331MED UKT0J332MHD UKT0J470MDD UKT0J471MPD UKT0J472MHD UKT0J682MHD UKT1A101MDD
 UKT1A102MPD UKT1A220MDD UKT1A221MED UKT1A222MHD UKT1A330MDD UKT1A331MPD
UKT1A332MHD UKT1A470MDD UKT1A471MPD UKT1A472MHD UKT1A682MHD UKT1C100MDD
UKT1C101MDD UKT1C102MPD UKT1C220MDD UKT1C221MED UKT1C222MHD UKT1C330MDD
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UKT1E101MED UKT1E102MPD UKT1E220MDD UKT1E221MPD UKT1E222MHD UKT1E330MDD UKT1E331MPD
 UKT1E332MHD UKT1E470MDD UKT1E471MPD UKT1E4R7MDD UKT1H010MDD UKT1H0R1MDD
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UKT1H330MDD UKT1H331MPD UKT1H3R3MDD UKT1H470MED UKT1H471MHD UKT1H4R7MDD
UKT1HR22MDD UKT1HR33MDD UKT1HR47MDD UKT1V100MDD UKT1V101MED UKT1V102MHD
UKT1V220MDD UKT1V221MPD UKT1V222MHD UKT1V330MDD UKT1V331MPD UKT1V470MDD
UKT1V471MPD UKT1V4R7MDD UKT1E153MRD UKT1A223MRD UKT1C153MRD UKT1A333MRD
UKT1H682MRD UKT1V332MHD UKT1V472MHD UKT1V103MRD UKT1H222MHD UKT1A153MHD
UKT0J333MRD UKT1H332MHD UKT1A103MHD UKT0J223MHD UKT0J153MHD UKT1V101MDD UKT1V682MRD
 UKT1H472MRD UKT1C103MHD UKT1C223MRD UKT1E682MHD UKT1C682MHD UKT1E103MRD
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