

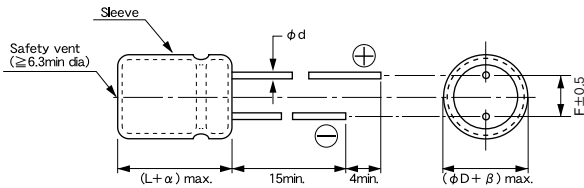
●高リップル・長寿命品(105℃)

UTWYZシリーズ JIS C5101 CE-04

■特徴

- ・低ESRで、スイッチング電源に最適
- ・105℃ 4,000~10,000時間を保証
- ・高リップル小形化品

■寸法図/DIAGRAM OF DIMENSIONS



●High Ripple Current & Long Life type(105℃)

TYPE UTWYZ JIS C5101 CE-04

■FEATURES

- ・ Low ESR, For Switchng Power Supply.
- ・ This product is the guaranteed service life of 4,000~10,000 hours at 105℃.
- ・ Smaller size with large permissible ripple current.

φ D	5	6.3	8	10	12.5	16	18
φ d	0.5		0.6			0.8	
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
α	1.0			L < 20 : 1.5		L ≥ 20 : 2	
β	0.5						

■性能/PERFORMANCE SPECIFICATIONS

カテゴリ温度範囲	CATEGORY TEMPERATURE RANGE	-55℃~+105℃																
標準静電容量許容差	STANDARD CAPACITANCE TOLERANCE	-20%~+20% (20℃, 120Hz)																
漏れ電流 (最大値)	LEAKAGE CURRENT (MAX. VALUE)	I=0.01CV OR 3μA WHICHEVER IS THE GREATER (after 2 minutes) C=RATED CAPACITANCE (μF) V=WORKING VOLTAGE (V)																
損失角の正接 (最大値) (tan δ)	DISSIPATION FACTOR (MAX. VALUE) (tan δ)	When the capacitance exceed 1,000 μF, the value of tan δ is increased by 0.02 for each increment of 1,000 μF or its fraction. <table border="1"> <tr> <td>W. V</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>tan δ</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> </tr> </table>	W. V	6.3	10	16	25	35	50	63	tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.09
W. V	6.3	10	16	25	35	50	63											
tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.09											
耐久性	ENDURANCE	<table border="1"> <tr> <td>6.3~10V</td> <td>φ D=5~6.3mm: 4,000 hrs φ D=8~10mm: 6,000 hrs φ D≥12.5mm: 8,000 hrs</td> </tr> <tr> <td>16~63V</td> <td>φ D=5~6.3mm: 5,000 hrs φ D=8~10mm: 7,000 hrs φ D≥12.5mm: 10,000 hrs</td> </tr> </table> <p>After applying rated voltage at 105℃ The capacitors shall meet the following requirements.</p> <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±25% of the intial value</td> </tr> <tr> <td>Dissipation Facto</td> <td>Less than 200% of the intial specified value</td> </tr> <tr> <td>Leakage Cureent</td> <td>Less than the intial specified value</td> </tr> </table>	6.3~10V	φ D=5~6.3mm: 4,000 hrs φ D=8~10mm: 6,000 hrs φ D≥12.5mm: 8,000 hrs	16~63V	φ D=5~6.3mm: 5,000 hrs φ D=8~10mm: 7,000 hrs φ D≥12.5mm: 10,000 hrs	Capacitance Change	Within ±25% of the intial value	Dissipation Facto	Less than 200% of the intial specified value	Leakage Cureent	Less than the intial specified value						
6.3~10V	φ D=5~6.3mm: 4,000 hrs φ D=8~10mm: 6,000 hrs φ D≥12.5mm: 8,000 hrs																	
16~63V	φ D=5~6.3mm: 5,000 hrs φ D=8~10mm: 7,000 hrs φ D≥12.5mm: 10,000 hrs																	
Capacitance Change	Within ±25% of the intial value																	
Dissipation Facto	Less than 200% of the intial specified value																	
Leakage Cureent	Less than the intial specified value																	
低温特性 (+20℃における120Hzのインピーダンスに対する比) (最大値)	LOW TEMPERATURE STABILITY (RATIO OF IMPEDANCE AT COLD TO THAT AT 20℃, 120Hz. MAX. VALUE.)	インピーダンス比/Impedance ratio (at 120Hz) <table border="1"> <tr> <td>W.V.</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>Z (-55℃) / Z (+20℃)</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table>	W.V.	6.3	10	16	25	35	50	63	Z (-55℃) / Z (+20℃)	4	4	3	3	3	3	3
W.V.	6.3	10	16	25	35	50	63											
Z (-55℃) / Z (+20℃)	4	4	3	3	3	3	3											
その他の特性はJIS C5101-4に準ずる	THE OTHER CHARACTERISTICS	The other characteristics are based on JIS C 5101-4.																

■定格リップル電流補正係数

リップル周波数が標準品一覧表の規定値と異なる場合には、下表の係数を乗じた値以下でご使用下さい。

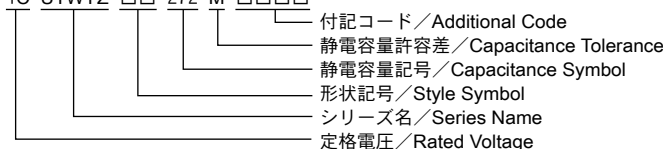
When the ripple frequency differs from the spicification shown in the list of standard products,multiply the value with the coefficient shown below,and use the products under the obtained value.

周波数補正係数/FREQUENCY CORRECTION FACTOR

Cap (μF)	Frequency(Hz)			
	120	1k	10k	100k up
~ 33	0.42	0.70	0.90	1.0
39 ~ 270	0.50	0.73	0.92	1.0
330 ~ 680	0.55	0.77	0.94	1.0
820 ~ 1800	0.60	0.80	0.96	1.0
2200 ~ 18000	0.70	0.85	0.98	1.0

■品番ご指定法/HOW TO SPECIFY ITEM NUMBER

1C UTWYZ □□ 272 M □□□□



■寸法表 / CASE SIZE TABLE

■Impedance [Max. Value Ω] at 20°C 100kHz
 ■Ripple Current [Max. Value mA] at 105°C 100kHz

W.V (vdc)	Cap (μF)	ΦD×L (mm)	Impedance	Ripple	品番
6.3	150	5×11	0.580	210	0JUTWYZ□□151M0D11
	330	6.3×11	0.220	340	0JUTWYZ□□331M0E11
	680	8×11.5	0.130	640	0JUTWYZ□□681M0F11
	820	10×12.5	0.080	865	0JUTWYZ□□821M0G12
	1000	8×15	0.087	840	0JUTWYZ□□102M0F15
	1200	8×20	0.069	1050	0JUTWYZ□□122M0F20
	1200	10×16	0.060	1210	0JUTWYZ□□122M0G16
	1500	10×20	0.046	1400	0JUTWYZ□□152M0G20
	2200	10×25	0.042	1650	0JUTWYZ□□222M0G25
	2700	10×30	0.031	1910	0JUTWYZ□□272M0G30
	3300	12.5×20	0.035	1900	0JUTWYZ□□332M0H20
	3900	12.5×25	0.027	2230	0JUTWYZ□□392M0H25
	4700	12.5×30	0.024	2650	0JUTWYZ□□472M0H30
	5600	12.5×35	0.020	2880	0JUTWYZ□□562M0H35
	5600	16×20	0.027	2530	0JUTWYZ□□562M0K20
	6800	16×25	0.021	2930	0JUTWYZ□□682M0K25
	8200	16×31.5	0.017	3450	0JUTWYZ□□822M0K30
	10000	16×35.5	0.015	3610	0JUTWYZ□□103M0K35
10000	18×25	0.019	3410	0JUTWYZ□□103M0M25	
12000	18×31.5	0.015	4170	0JUTWYZ□□123M0M30	
15000	18×35.5	0.014	4220	0JUTWYZ□□153M0M35	
18000	18×40	0.012	4280	0JUTWYZ□□183M0M40	
10	100	5×11	0.580	210	1AUTWYZ□□101M0D11
	220	6.3×11	0.220	340	1AUTWYZ□□221M0E11
	470	8×11.5	0.130	640	1AUTWYZ□□471M0F11
	680	8×15	0.087	840	1AUTWYZ□□681M0F15
	680	10×12.5	0.080	865	1AUTWYZ□□681M0G12
	1000	8×20	0.069	1050	1AUTWYZ□□102M0F20
	1000	10×16	0.060	1210	1AUTWYZ□□102M0G16
	1200	10×20	0.046	1400	1AUTWYZ□□122M0G20
	1500	10×25	0.042	1650	1AUTWYZ□□152M0G25
	2200	10×30	0.031	1910	1AUTWYZ□□222M0G30
	2200	12.5×20	0.035	1900	1AUTWYZ□□222M0H20
	3300	12.5×25	0.027	2230	1AUTWYZ□□332M0H25
	3900	12.5×30	0.024	2650	1AUTWYZ□□392M0H30
	3900	16×20	0.027	2530	1AUTWYZ□□392M0K20
	4700	12.5×35	0.020	2880	1AUTWYZ□□472M0H35
	5600	16×25	0.021	2930	1AUTWYZ□□562M0K25
	6800	16×31.5	0.017	3450	1AUTWYZ□□682M0K30
	6800	18×25	0.019	3140	1AUTWYZ□□682M0M25
8200	16×35.5	0.015	3610	1AUTWYZ□□822M0K35	
8200	18×31.5	0.015	4170	1AUTWYZ□□822M0M30	
10000	18×35.5	0.014	4220	1AUTWYZ□□103M0M35	
12000	18×40	0.012	4280	1AUTWYZ□□123M0M40	
16	56	5×11	0.580	210	1CUTWYZ□□56M0D11
	120	6.3×11	0.220	340	1CUTWYZ□□121M0E11
	330	8×11.5	0.130	640	1CUTWYZ□□331M0F11
	470	8×15	0.087	840	1CUTWYZ□□471M0F15
	470	10×12.5	0.080	865	1CUTWYZ□□471M0G12
	680	8×20	0.069	1050	1CUTWYZ□□681M0F20
	680	10×16	0.060	1210	1CUTWYZ□□681M0G16
	1000	10×20	0.046	1400	1CUTWYZ□□102M0G20
	1200	10×25	0.042	1650	1CUTWYZ□□122M0G25
	1500	10×30	0.031	1910	1CUTWYZ□□152M0G30
	1500	12.5×20	0.035	1900	1CUTWYZ□□152M0H20
	2200	12.5×25	0.027	2230	1CUTWYZ□□222M0H25
	2700	12.5×30	0.024	2650	1CUTWYZ□□272M0H30
	2700	16×20	0.027	2530	1CUTWYZ□□272M0K20
	3300	12.5×35	0.020	2880	1CUTWYZ□□332M0H35
	3900	16×25	0.021	2930	1CUTWYZ□□392M0K25
	4700	16×31.5	0.017	3450	1CUTWYZ□□472M0K30
	4700	18×25	0.019	3140	1CUTWYZ□□472M0M25
5600	16×35.5	0.015	3610	1CUTWYZ□□562M0K35	
5600	18×31.5	0.015	4170	1CUTWYZ□□562M0M30	
8200	18×35.5	0.014	4220	1CUTWYZ□□822M0M35	
10000	18×40	0.012	4280	1CUTWYZ□□103M0M40	
25	47	5×11	0.580	210	1EUTWYZ□□470M0D11
	100	6.3×11	0.220	340	1EUTWYZ□□101M0E11
	220	8×11.5	0.130	640	1EUTWYZ□□221M0F11
	330	8×15	0.087	840	1EUTWYZ□□331M0F15
	330	10×12.5	0.080	865	1EUTWYZ□□331M0G12
	470	8×20	0.069	1050	1EUTWYZ□□471M0F20
	470	10×16	0.060	1210	1EUTWYZ□□471M0G16
	680	10×20	0.046	1400	1EUTWYZ□□681M0G20
	820	10×25	0.042	1650	1EUTWYZ□□821M0G25
	1000	10×30	0.031	1910	1EUTWYZ□□102M0G30
	1000	12.5×20	0.035	1900	1EUTWYZ□□102M0H20
	1500	12.5×25	0.027	2230	1EUTWYZ□□152M0H25
	1800	12.5×30	0.024	2650	1EUTWYZ□□182M0H30
	1800	16×20	0.027	2530	1EUTWYZ□□182M0K20
	2200	12.5×35	0.020	2880	1EUTWYZ□□222M0H35

W.V (vdc)	Cap (μF)	ΦD×L (mm)	Impedance	Ripple	品番
25	2700	16×25	0.021	2930	1EUTWYZ□□272M0K25
	3300	16×31.5	0.017	3450	1EUTWYZ□□332M0K30
	3300	18×25	0.019	3140	1EUTWYZ□□332M0M25
	3900	16×35.5	0.015	3610	1EUTWYZ□□392M0K35
	3900	18×31.5	0.015	4170	1EUTWYZ□□392M0M30
	4700	18×35.5	0.014	4220	1EUTWYZ□□472M0M35
	5600	18×40	0.012	4280	1EUTWYZ□□562M0M40
	33	5×11	0.580	210	1VUTWYZ□□330M0D11
	56	6.3×11	0.220	340	1VUTWYZ□□560M0E11
	150	8×11.5	0.130	640	1VUTWYZ□□151M0F11
35	220	8×15	0.087	840	1VUTWYZ□□221M0F15
	220	10×12.5	0.080	865	1VUTWYZ□□221M0G12
	270	8×20	0.069	1050	1VUTWYZ□□271M0F20
	330	10×16	0.060	1210	1VUTWYZ□□331M0G16
	470	10×20	0.046	1400	1VUTWYZ□□471M0G20
	560	10×25	0.042	1650	1VUTWYZ□□561M0G25
	680	10×30	0.031	1910	1VUTWYZ□□681M0G30
	680	12.5×20	0.035	1900	1VUTWYZ□□681M0H20
	1000	12.5×25	0.027	2230	1VUTWYZ□□102M0H25
	1200	12.5×30	0.024	2650	1VUTWYZ□□122M0H30
50	1200	16×20	0.027	2530	1VUTWYZ□□122M0K20
	1500	12.5×35	0.020	2880	1VUTWYZ□□152M0H35
	1800	16×25	0.021	2930	1VUTWYZ□□182M0K25
	2200	16×31.5	0.017	3450	1VUTWYZ□□222M0K30
	2200	18×25	0.019	3140	1VUTWYZ□□222M0M25
	2700	16×35.5	0.015	3610	1VUTWYZ□□272M0K35
	2700	18×31.5	0.015	4170	1VUTWYZ□□272M0M30
	3300	18×35.5	0.014	4220	1VUTWYZ□□332M0M35
	3900	18×40	0.012	4280	1VUTWYZ□□392M0M40
	0.47	5×11	5.500	17	1HUTWYZ□□R47M0D11
63	1	5×11	4.000	30	1HUTWYZ□□010M0D11
	2.2	5×11	2.500	43	1HUTWYZ□□2R2M0D11
	3.3	5×11	2.200	53	1HUTWYZ□□3R3M0D11
	4.7	5×11	1.900	88	1HUTWYZ□□4R4M0D11
	10	5×11	1.500	100	1HUTWYZ□□100M0D11
	22	5×11	0.700	180	1HUTWYZ□□220M0D11
	56	6.3×11	0.300	295	1HUTWYZ□□560M0E11
	100	8×11.5	0.170	555	1HUTWYZ□□101M0F11
	120	8×15	0.120	730	1HUTWYZ□□121M0F15
	150	10×12.5	0.120	760	1HUTWYZ□□151M0G12
63	180	8×20	0.091	910	1HUTWYZ□□181M0F20
	220	10×16	0.084	1050	1HUTWYZ□□221M0G16
	270	10×20	0.060	1220	1HUTWYZ□□271M0G20
	330	10×25	0.055	1440	1HUTWYZ□□331M0G25
	470	10×30	0.043	1690	1HUTWYZ□□471M0G30
	470	12.5×20	0.045	1660	1HUTWYZ□□471M0H20
	560	12.5×25	0.034	1950	1HUTWYZ□□561M0H25
	680	12.5×30	0.030	2310	1HUTWYZ□□681M0H30
	820	12.5×35	0.025	2510	1HUTWYZ□□821M0H35
	820	16×20	0.034	2210	1HUTWYZ□□821M0K20
63	1000	16×25	0.025	2555	1HUTWYZ□□102M0K25
	1200	16×31.5	0.022	3010	1HUTWYZ□□122M0K30
	1200	18×25	0.026	2740	1HUTWYZ□□122M0M25
	1500	16×35.5	0.019	3150	1HUTWYZ□□152M0K35
	1800	18×31.5	0.021	3635	1HUTWYZ□□182M0M30
	2200	18×35.5	0.017	3680	1HUTWYZ□□222M0M35
	2700	18×40	0.014	3800	1HUTWYZ□□272M0M40
	15	5×11	0.88	165	1JUTWYZ□□150M0D11
	33	6.3×11	0.350	265	1JUTWYZ□□330M0E11
	56	8×11.5	0.22	500	1JUTWYZ□□560M0F11
82	8×15	0.160	665	1JUTWYZ□□820M0F15	
82	10×12.5	0.110	690	1JUTWYZ□□820M0G12	
120	8×20	0.12	820	1JUTWYZ□□121M0F20	
120	10×16	0.076	950	1JUTWYZ□□121M0G16	
180	10×20	0.056	1150	1JUTWYZ□□181M0G20	
220	10×25	0.046	1350	1JUTWYZ□□221M0G25	
270	12.5×20	0.041	1500	1JUTWYZ□□271M0H20	
390	12.5×25	0.031	1900	1JUTWYZ□□391M0H25	
470	12.5×30	0.028	2300	1JUTWYZ□□471M0H30	
470	16×20	0.032	2000	1JUTWYZ□□470M0K20	
560	12.5×35	0.024	2500	1JUTWYZ□□561M0H35	
680	16×25	0.025	2600	1JUTWYZ□□680M0K25	
820	16×31.5	0.021	2850	1JUTWYZ□□821M0K30	
820	18×25	0.024	2800	1JUTWYZ□□821M0M25	
1000	16×35.5	0.019	2900	1JUTWYZ□□102M0K35	
1200	18×31.5	0.020	3300	1JUTWYZ□□122M0M30	
1500	18×35.5	0.018	3400	1JUTWYZ□□152M0M35	
1800	18×40	0.017	3500	1JUTWYZ□□182M0M40	

□□には端子加工・テーピング記号が入ります。バルク品の場合は空白となります。
 □□: Enter the appropriate lead forming or taping code. The bulk item is a blank.
 この寸法表にないカスタム品も製造いたしますので、ご相談ください。
 Produce custom product too, which are not found in these tables.