

UVY

## ■ Dimensions

Rated Voltage (V) (code)	Rated Capacitance ( $\mu$ F)	Case Size $\phi$ D×L (mm)	tan $\delta$	Leakage Current ( $\mu$ A)		Rated Ripple (mArms) (105°C/120Hz)	Part Number
				at 20°C after 1 minute	at 20°C after 2 minutes		
6.3 (0J)	1000	8×11.5	0.28	189	63	390	UVY0J102MPD
	2200	10×16	0.30	415.8	138.6	635	UVY0J222MPD
	3300	10×20	0.32	623.7	207.9	840	UVY0J332MPD
	4700	12.5×20	0.34	888.3	296.1	1090	UVY0J472MHD
	6800	12.5×25	0.38	1285.2	428.4	1350	UVY0J682MHD
	10000	16×25	0.46	1890	630	1650	UVY0J103MHD
	15000	16×31.5	0.56	2835	945	1820	UVY0J153MHD
	22000	18×35.5	0.70	4158	1386	2280	UVY0J223MHD
10 (1A)	33000	20×40	0.92	6237	2079	2500	UVY0J333MRD
	220	5×11	0.24	66	22	155	UVY1A221MDD
	330	6.3×11	0.24	99	33	210	UVY1A331MED
	470	6.3×11	0.24	141	47	250	UVY1A471MED
	1000	10×12.5	0.24	300	100	460	UVY1A102MPD
	2200	10×16	0.26	660	220	705	UVY1A222MPD
	3300	12.5×20	0.28	990	330	1000	UVY1A332MHD
	4700	12.5×25	0.30	1410	470	1260	UVY1A472MHD
	6800	16×25	0.34	2040	680	1570	UVY1A682MHD
	10000	16×31.5	0.42	3000	1000	1820	UVY1A103MHD
	15000	16×35.5	0.52	4500	1500	2050	UVY1A153MHD
	22000	18×40	0.66	6600	2200	2420	UVY1A223MHD
33000	22×50	0.88	9900	3300	3210	UVY1A333MRD	
16 (1C)	220	6.3×11	0.20	105.6	35.2	190	UVY1C221MED
	330	6.3×11	0.20	158.4	52.8	225	UVY1C331MED
	470	8×11.5	0.20	225.6	75.2	315	UVY1C471MPD
	1000	10×12.5	0.20	480	160	500	UVY1C102MPD
	2200	10×20	0.22	1056	352	710	UVY1C222MPD
	3300	12.5×25	0.24	1584	528	1170	UVY1C332MHD
	4700	16×25	0.26	2256	752	1500	UVY1C472MHD
	6800	16×25	0.30	3264	1088	1600	UVY1C682MHD
	10000	16×35.5	0.38	4800	1600	1930	UVY1C103MHD
	15000	18×40	0.48	7200	2400	2210	UVY1C153MHD
	22000	22×40	0.62	10560	3520	2710	UVY1C223MRD
33000	25×50	0.84	15840	5280	3450	UVY1C333MRD	
25 (1E)	100	5×11	0.16	75	25	125	UVY1E101MDD
	220	6.3×11	0.16	165	55	200	UVY1E221MED
	330	8×11.5	0.16	247.5	82.5	275	UVY1E331MPD
	470	10×12.5	0.16	352.5	117.5	380	UVY1E471MPD
	1000	10×16	0.16	750	250	610	UVY1E102MPD
	2200	12.5×25	0.18	1650	550	1090	UVY1E222MHD
	3300	16×25	0.20	2475	825	1400	UVY1E332MHD
	4700	16×25	0.22	3525	1175	1570	UVY1E472MHD
	6800	16×35.5	0.26	5100	1700	1850	UVY1E682MHD
	10000	18×40	0.34	7500	2500	2000	UVY1E103MHD
	15000	22×50	0.44	11250	3750	2750	UVY1E153MRD
	22000	25×50	0.58	16500	5500	3250	UVY1E223MRD

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Rated Voltage (V) (code)	Rated Capacitance ( $\mu\text{F}$ )	Case Size $\phi\text{D}\times\text{L}$ (mm)	tan $\delta$	Leakage Current ( $\mu\text{A}$ )		Rated Ripple (mArms) (105°C/120Hz)	Part Number
				at 20°C after 1 minute	at 20°C after 2 minutes		
35 (1V)	47	5×11	0.14	49.35	16.45	93	UVY1V470MDD
	68	6.3×11	0.14	71.4	23.8	110	UVY1V680MED
	100	6.3×11	0.14	105	35	150	UVY1V101MED
	220	8×11.5	0.14	231	77	250	UVY1V221MPD
	330	10×12.5	0.14	346.5	115.5	350	UVY1V331MPD
	470	10×16	0.14	493.5	164.5	460	UVY1V471MPD
	1000	12.5×20	0.14	1050	350	810	UVY1V102MHD
	2200	16×25	0.16	2310	770	1260	UVY1V222MHD
	3300	16×31.5	0.18	3465	1155	1500	UVY1V332MHD
	4700	16×35.5	0.20	4935	1645	1780	UVY1V472MHD
	6800	18×40	0.24	7140	2380	2000	UVY1V682MHD
	10000	22×50	0.32	10500	3500	2650	UVY1V103MRD
	15000	25×50	0.42	15750	5250	3100	UVY1V153MRD
50 (1H)	2.2	5×11	0.12	4	3	20	UVY1H2R2MDD
	3.3	5×11	0.12	4.95	3	25	UVY1H3R3MDD
	4.7	5×11	0.12	7.05	3	30	UVY1H4R7MDD
	10	5×11	0.12	15	5	46	UVY1H100MDD
	22	5×11	0.12	33	11	68	UVY1H220MDD
	33	5×11	0.12	49.5	16.5	90	UVY1H330MDD
	47	6.3×11	0.12	70.5	23.5	115	UVY1H470MED
	68	6.3×11	0.12	102	34	150	UVY1H680MED
	100	8×11.5	0.12	150	50	190	UVY1H101MPD
	220	10×12.5	0.12	330	110	300	UVY1H221MPD
	330	10×16	0.12	495	165	410	UVY1H331MPD
	470	10×20	0.12	705	235	540	UVY1H471MPD
	1000	12.5×25	0.12	1500	500	950	UVY1H102MHD
	2200	16×31.5	0.14	3300	1100	1410	UVY1H222MHD
	3300	18×35.5	0.16	4950	1650	1770	UVY1H332MHD
	4700	20×40	0.18	7050	2350	2100	UVY1H472MRD
6800	22×50	0.22	10200	3400	2500	UVY1H682MRD	
10000	25×50	0.30	15000	5000	2850	UVY1H103MRD	
63 (1J)	22	5×11	0.10	41.58	13.86	71	UVY1J220MDD
	33	6.3×11	0.10	62.37	20.79	100	UVY1J330MED
	47	6.3×11	0.10	88.83	29.61	120	UVY1J470MED
	68	8×11.5	0.10	128.52	42.84	155	UVY1J680MPD
	100	8×11.5	0.10	189	63	200	UVY1J101MPD
	220	10×16	0.10	415.8	138.6	335	UVY1J221MPD
	330	10×20	0.10	623.7	207.9	510	UVY1J331MPD
	470	12.5×20	0.10	888.3	296.1	640	UVY1J471MHD
	1000	16×25	0.10	1890	630	930	UVY1J102MHD
	2200	18×35.5	0.12	4158	1386	1650	UVY1J222MHD
	3300	20×40	0.14	6237	2079	1950	UVY1J332MRD
	4700	22×50	0.16	8883	2961	2450	UVY1J472MRD
6800	25×50	0.20	12852	4284	2800	UVY1J682MRD	

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				at 20°C after 1 minute	at 20°C after 2 minutes		
100 (2A)	2.2	5 $\times$ 11	0.08	6.6	3	21	UVY2A2R2MDD
	3.3	5 $\times$ 11	0.08	9.9	3.3	29	UVY2A3R3MDD
	4.7	5 $\times$ 11	0.08	14.1	4.7	32	UVY2A4R7MDD
	10	5 $\times$ 11	0.08	30	10	50	UVY2A100MDD
	22	6.3 $\times$ 11	0.08	66	22	93	UVY2A220MED
	33	8 $\times$ 11.5	0.08	99	33	130	UVY2A330MPD
	47	8 $\times$ 11.5	0.08	141	47	140	UVY2A470MPD
	68	10 $\times$ 12.5	0.08	204	68	190	UVY2A680MPD
	100	10 $\times$ 16	0.08	300	100	240	UVY2A101MPD
	220	12.5 $\times$ 20	0.08	660	220	390	UVY2A221MHD
	330	12.5 $\times$ 25	0.08	990	330	540	UVY2A331MHD
	470	16 $\times$ 25	0.08	1410	470	715	UVY2A471MHD
	1000	18 $\times$ 35.5	0.08	3000	1000	960	UVY2A102MHD
	2200	22 $\times$ 50	0.10	6600	2200	1750	UVY2A222MRD
3300	25 $\times$ 50	0.12	9900	3300	2070	UVY2A332MRD	
160 (2C)	10	8 $\times$ 11.5	0.20	164	—	41	UVY2C100MPD
	22	10 $\times$ 12.5	0.20	240.8	—	92	UVY2C220MPD
	33	10 $\times$ 16	0.20	311.2	—	125	UVY2C330MPD
	47	10 $\times$ 20	0.20	400.8	—	150	UVY2C470MPD
	68	12.5 $\times$ 20	0.20	535.2	—	250	UVY2C680MHD
	100	12.5 $\times$ 25	0.20	740	—	310	UVY2C101MHD
	220	16 $\times$ 31.5	0.20	1508	—	410	UVY2C221MHD
	330	18 $\times$ 35.5	0.20	2212	—	570	UVY2C331MHD
	470	18 $\times$ 40	0.20	3108	—	855	UVY2C471MHD
1000	25 $\times$ 50	0.20	6500	—	1350	UVY2C102MRD	
200 (2D)	0.47	6.3 $\times$ 11	0.20	49.4	—	11	UVY2DR47MED
	1	6.3 $\times$ 11	0.20	60	—	16	UVY2D010MED
	2.2	6.3 $\times$ 11	0.20	84	—	25	UVY2D2R2MED
	3.3	6.3 $\times$ 11	0.20	106	—	30	UVY2D3R3MED
	4.7	6.3 $\times$ 11	0.20	134	—	35	UVY2D4R7MED
	10	8 $\times$ 11.5	0.20	180	—	57	UVY2D100MPD
	22	10 $\times$ 16	0.20	276	—	105	UVY2D220MPD
	33	10 $\times$ 20	0.20	364	—	140	UVY2D330MPD
	47	12.5 $\times$ 20	0.20	476	—	195	UVY2D470MHD
	68	12.5 $\times$ 25	0.20	644	—	250	UVY2D680MHD
	100	16 $\times$ 25	0.20	900	—	320	UVY2D101MHD
	220	16 $\times$ 35.5	0.20	1860	—	500	UVY2D221MHD
	330	18 $\times$ 40	0.20	2740	—	675	UVY2D331MHD
470	22 $\times$ 40	0.20	3860	—	925	UVY2D471MRD	

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Rated Voltage (V) (code)	Rated Capacitance ( $\mu$ F)	Case Size $\phi$ D $\times$ L (mm)	tan $\delta$	Leakage Current ( $\mu$ A)		Rated Ripple (mArms) (105°C/120Hz)	Part Number
				at 20°C after 1 minute	at 20°C after 2 minutes		
250 (2E)	3.3	6.3 $\times$ 11	0.20	122.5	—	28	UVY2E3R3MED
	4.7	6.3 $\times$ 11	0.20	147	—	35	UVY2E4R7MED
	10	10 $\times$ 12.5	0.20	200	—	71	UVY2E100MPD
	22	10 $\times$ 20	0.20	320	—	105	UVY2E220MPD
	33	10 $\times$ 20	0.20	430	—	140	UVY2E330MPD
	47	12.5 $\times$ 20	0.20	570	—	190	UVY2E470MHD
	68	16 $\times$ 25	0.20	780	—	270	UVY2E680MHD
	100	16 $\times$ 25	0.20	1100	—	310	UVY2E101MHD
	220	18 $\times$ 35.5	0.20	2300	—	485	UVY2E221MHD
	330	20 $\times$ 40	0.20	3400	—	710	UVY2E331MRD
470	22 $\times$ 50	0.20	4800	—	1000	UVY2E471MRD	
350 (2V)	2.2	6.3 $\times$ 11	0.25	117	—	21	UVY2V2R2MED
	3.3	8 $\times$ 11.5	0.25	146.2	—	30	UVY2V3R3MPD
	4.7	8 $\times$ 11.5	0.25	165.8	—	39	UVY2V4R7MPD
	10	10 $\times$ 12.5	0.25	240	—	64	UVY2V100MPD
	22	12.5 $\times$ 20	0.25	408	—	105	UVY2V220MHD
	33	12.5 $\times$ 25	0.25	562	—	170	UVY2V330MHD
	47	16 $\times$ 25	0.25	758	—	210	UVY2V470MHD
	68	16 $\times$ 25	0.25	1052	—	285	UVY2V680MHD
	100	18 $\times$ 35.5	0.25	1500	—	370	UVY2V101MHD
	220	22 $\times$ 50	0.25	3180	—	540	UVY2V221MRD
330	25 $\times$ 50	0.25	4720	—	710	UVY2V331MRD	
400 (2G)	0.47	6.3 $\times$ 11	0.25	58.8	—	8.5	UVY2GR47MED
	1	6.3 $\times$ 11	0.25	80	—	14	UVY2G010MED
	2.2	8 $\times$ 11.5	0.25	128	—	27	UVY2G2R2MPD
	3.3	8 $\times$ 11.5	0.25	152.8	—	34	UVY2G3R3MPD
	4.7	10 $\times$ 12.5	0.25	175.2	—	42	UVY2G4R7MPD
	10	10 $\times$ 16	0.25	260	—	64	UVY2G100MPD
	22	12.5 $\times$ 25	0.25	452	—	140	UVY2G220MHD
	33	16 $\times$ 25	0.25	628	—	170	UVY2G330MHD
	47	16 $\times$ 25	0.25	852	—	200	UVY2G470MHD
	68	16 $\times$ 31.5	0.25	1188	—	240	UVY2G680MHD
	100	18 $\times$ 35.5	0.25	1700	—	310	UVY2G101MHD
220	22 $\times$ 50	0.25	3620	—	460	UVY2G221MRD	
450 (2W)	2.2	8 $\times$ 11.5	0.25	139	—	20	UVY2W2R2MPD
	3.3	10 $\times$ 12.5	0.25	159.4	—	28	UVY2W3R3MPD
	4.7	10 $\times$ 12.5	0.25	184.6	—	32	UVY2W4R7MPD
	10	10 $\times$ 20	0.25	280	—	56	UVY2W100MPD
	22	12.5 $\times$ 25	0.25	496	—	100	UVY2W220MHD
	33	16 $\times$ 25	0.25	694	—	125	UVY2W330MHD
	47	16 $\times$ 31.5	0.25	946	—	155	UVY2W470MHD
	68	18 $\times$ 35.5	0.25	1324	—	185	UVY2W680MHD
	100	18 $\times$ 40	0.25	1900	—	200	UVY2W101MHD
	220	25 $\times$ 50	0.25	4060	—	250	UVY2W221MRD

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Please refer to page 18, 19 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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[UVY0J473MRD](#) [UVY0J682MHD](#) [UVY0J683MRD](#) [UVY0J223MHD](#) [UVY0J332MPD](#) [UVY0J333MRD](#) [UVY0J472MHD](#)  
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[UVY1H220MDD](#) [UVY1H471MPD](#) [UVY1H472MRD](#) [UVY1H4R7MDD](#) [UVY1J101MPD](#) [UVY1J102MHD](#)  
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[UVY2A2R2MDD](#) [UVY2A330MPD](#) [UVY2A331MHD](#) [UVY1H330MDD](#) [UVY1H331MPD](#) [UVY1H332MHD](#)  
[UVY1HR33MDD](#) [UVY1HR47MDD](#) [UVY1J471MHD](#) [UVY1J472MRD](#) [UVY1J680MPD](#) [UVY1V470MDD](#)  
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[UVY1J470MED](#) [UVY1V222MHD](#) [UVY1V331MPD](#) [UVY1V332MHD](#) [UVY2A100MDD](#) [UVY2A101MPD](#)  
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