

UBT1E331MPD8 Datasheet



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DiGi Electronics Part Number	UBT1E331MPD8-DG
Manufacturer	Nichicon
Manufacturer Product Number	UBT1E331MPD8
Description	CAP ALUM 330UF 20% 25V RADIAL
Detailed Description	330 μ F 25 V Aluminum Electrolytic Capacitors Radial, Can 5000 Hrs @ 125°C

This model UBT1E331MPD8 is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

UBT1E331MPD8

Series:

UBT

Capacitance:

330 μ F

Voltage - Rated:

25 V

Lifetime @ Temp.:

5000 Hrs @ 125°C

Polarization:

Polar

Applications:

Automotive

Ripple Current @ High Frequency:

945 mA @ 100 kHz

Lead Spacing:

0.197" (5.00mm)

Height - Seated (Max):

0.709" (18.00mm)

Mounting Type:

Through Hole

Manufacturer:

Nichicon

Product Status:

Active

Tolerance:

\pm 20%

ESR (Equivalent Series Resistance):

-

Operating Temperature:

-40°C ~ 125°C

Ratings:

-

Ripple Current @ Low Frequency:

472.5 mA @ 120 Hz

Impedance:

75 mOhms

Size / Dimension:

0.394" Dia (10.00mm)

Surface Mount Land Size:

-

Package / Case:

Radial, Can

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Affected

HTSUS:

8532.22.0020

Moisture Sensitivity Level (MSL):

Not Applicable

ECCN:

EAR99

ALUMINUM ELECTROLYTIC CAPACITORS

UBT

■ Dimensions

Rated Voltage (V) (code)	Rated Capacitance (μF)	Case Size φD×L (mm)	tan δ	Leakage Current (μA) (at 20°C after 1 minute)	Impedance (Ω) max. (20°C/100kHz)	Rated Ripple (mA rms) (125°C/100kHz)	Part Number
10 (1A)	220	8×11.5	0.20	66	0.26	340	UBT1A221MPD8
	330	10×12.5	0.20	99	0.15	620	UBT1A331MPD8
	470	10×12.5	0.20	141	0.10	680	UBT1A471MPD8
	1000	10×20	0.20	300	0.057	1100	UBT1A102MPD8
	2200	12.5×25	0.22	660	0.033	1750	UBT1A222MHD8
	3300	16×25	0.24	990	0.024	2300	UBT1A332MHD8
	4700	16×30.5	0.26	1410	0.020	2710	UBT1A472MHD8
16 (1C)	100	8×11.5	0.16	48	0.32	340	UBT1C101MPD8
	220	10×12.5	0.16	105.6	0.15	620	UBT1C221MPD8
	330	10×12.5	0.16	158.4	0.10	680	UBT1C331MPD8
	470	10×16	0.16	225.6	0.075	945	UBT1C471MPD8
	1000	12.5×20	0.16	480	0.042	1490	UBT1C102MHD8
	2200	16×25	0.18	1056	0.024	2300	UBT1C222MHD8
	3300	16×30.5	0.20	1584	0.020	2710	UBT1C332MHD8
25 (1E)	100	8×11.5	0.14	75	0.13	500	UBT1E101MPD8
	220	10×12.5	0.14	165	0.10	680	UBT1E221MPD8
	330	10×16	0.14	247.5	0.075	945	UBT1E331MPD8
	470	10×20	0.14	352.5	0.057	1100	UBT1E471MPD8
	1000	12.5×25	0.14	750	0.033	1750	UBT1E102MHD8
	2200	16×30.5	0.16	1650	0.020	2710	UBT1E222MHD8
	3300	18×30.5	0.18	2475	0.017	3310	UBT1E332MHD8
35 (1V)	100	10×12.5	0.12	105	0.15	620	UBT1V101MPD8
	220	10×16	0.12	231	0.094	790	UBT1V221MPD8
	330	10×20	0.12	346.5	0.075	950	UBT1V331MPD8
	470	12.5×20	0.12	493.5	0.058	1330	UBT1V471MHD8
	1000	16×25	0.12	1050	0.031	2010	UBT1V102MHD8
	2200	18×35.5	0.14	2310	0.025	2790	UBT1V222MHD8
50 (1H)	4.7	8×11.5	0.10	7.05	1.15	85	UBT1H4R7MPD8
	10	8×11.5	0.10	15	0.75	180	UBT1H100MPD8
	22	8×11.5	0.10	33	0.50	250	UBT1H220MPD8
	33	8×11.5	0.10	49.5	0.45	300	UBT1H330MPD8
	47	8×11.5	0.10	70.5	0.35	440	UBT1H470MPD8
	100	10×12.5	0.10	150	0.18	555	UBT1H101MPD8
	220	10×20	0.10	330	0.098	930	UBT1H221MPD8
	330	12.5×20	0.10	495	0.070	1330	UBT1H331MHD8
	470	12.5×25	0.10	705	0.055	1650	UBT1H471MHD8
1000	16×30.5	0.10	1500	0.031	2430	UBT1H102MHD8	
63 (1J)	22	8×11.5	0.10	41.58	2.00	130	UBT1J220MPD8
	33	8×11.5	0.10	62.37	1.50	150	UBT1J330MPD8
	47	10×12.5	0.10	88.83	0.59	530	UBT1J470MPD8
	100	10×16	0.10	189	0.41	690	UBT1J101MPD8
	220	12.5×20	0.10	415.8	0.16	1050	UBT1J221MHD8
	330	12.5×25	0.10	623.7	0.12	1290	UBT1J331MHD8
	470	12.5×30.5	0.10	888.3	0.097	1460	UBT1J471MHD8

ALUMINUM ELECTROLYTIC CAPACITORS

UBT

■ Dimensions

Rated Voltage (V) (code)	Rated Capacitance (μF)	Case Size φD×L (mm)	tan δ	Leakage Current (μA) (at 20°C after 1 minute)	Impedance (Ω) max. (20°C/100kHz)	Rated Ripple (mArms) (125°C/100kHz)	Part Number
80 (1K)	22	8×11.5	0.08	52.8	1.50	150	UBT1K220MPD8
	33	10×12.5	0.08	79.2	0.80	480	UBT1K330MPD8
	47	10×12.5	0.08	112.8	0.80	480	UBT1K470MPD8
	100	10×20	0.08	240	0.39	790	UBT1K101MPD8
	220	12.5×25	0.08	528	0.18	1240	UBT1K221MHD8
	330	12.5×30.5	0.08	792	0.16	1390	UBT1K331MHD8
100 (2A)	470	16×25	0.08	1128	0.11	1500	UBT1K471MHD8
	10	8×11.5	0.08	30	1.50	150	UBT2A100MPD8
	22	10×12.5	0.08	66	0.80	480	UBT2A220MPD8
	33	10×12.5	0.08	99	0.80	480	UBT2A330MPD8
	47	10×16	0.08	141	0.55	630	UBT2A470MPD8
	100	12.5×20	0.08	300	0.25	990	UBT2A101MHD8
	220	16×25	0.08	660	0.11	1500	UBT2A221MHD8
330	16×30.5	0.08	990	0.079	1790	UBT2A331MHD8	

Rated Voltage (V) (code)	Rated Capacitance (μF)	Case Size φD×L (mm)	tan δ	Leakage Current (μA) (at 20°C after 1 minute)	Rated Ripple (mArms) (125°C/120Hz)	Part Number
160 (2C)	22	10×20	0.20	240.8	115	UBT2C220MPD8
	33	10×25	0.20	311.2	154	UBT2C330MPD8
	47	12.5×20	0.20	400.8	187	UBT2C470MHD8
	68	12.5×25	0.20	535.2	245	UBT2C680MHD8
	100	16×25	0.20	740	329	UBT2C101MHD8
	150	16×30.5	0.20	1060	434	UBT2C151MHD8
200 (2D)	10	10×20	0.20	180	78	UBT2D100MPD8
	22	10×25	0.20	276	126	UBT2D220MPD8
	33	12.5×20	0.20	364	157	UBT2D330MHD8
	47	12.5×25	0.20	476	204	UBT2D470MHD8
	68	16×20	0.20	644	250	UBT2D680MHD8
250 (2E)	100	16×25	0.20	900	329	UBT2D101MHD8
	10	10×20	0.20	200	78	UBT2E100MPD8
	22	12.5×20	0.20	320	128	UBT2E220MHD8
	33	12.5×25	0.20	430	171	UBT2E330MHD8
350 (2V)	47	16×25	0.20	570	225	UBT2E470MHD8
	68	16×30.5	0.20	780	292	UBT2E680MHD8
	4.7	10×20	0.24	165.8	53	UBT2V4R7MPD8
	10	10×25	0.24	240	85	UBT2V100MPD8
400 (2G)	22	12.5×25	0.24	408	139	UBT2V220MHD8
	33	16×25	0.24	562	189	UBT2V330MHD8
	47	16×30.5	0.24	758	243	UBT2V470MHD8
	4.7	10×20	0.24	175.2	53	UBT2G4R7MPD8
	10	10×25	0.24	260	86	UBT2G100MPD8
450 (2W)	22	12.5×30.5	0.24	452	142	UBT2G220MHD8
	33	16×25	0.24	628	189	UBT2G330MHD8
	47	16×30.5	0.24	852	243	UBT2G470MHD8
	4.7	10×25	0.24	184.6	58	UBT2W4R7MPD8
450 (2W)	10	12.5×20	0.24	280	86	UBT2W100MHD8
	22	16×25	0.24	496	154	UBT2W220MHD8
	33	16×30.5	0.24	694	203	UBT2W330MHD8

• For formed lead or taped product specifications and minimum order quantity, please refer to the Guidelines for Aluminum Electrolytic Capacitors.

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