

ALUMINUM ELECTROLYTIC CAPACITORS

皇御JET系列MHD供应商

捷多邦, 专业PCB打样工厂, 24小时加急出货

nichicon

ET

Bi-Polarized, Wide Temperature Range

series

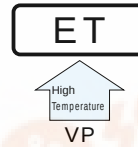


Bi-polarized



Anti-Solvent Feature

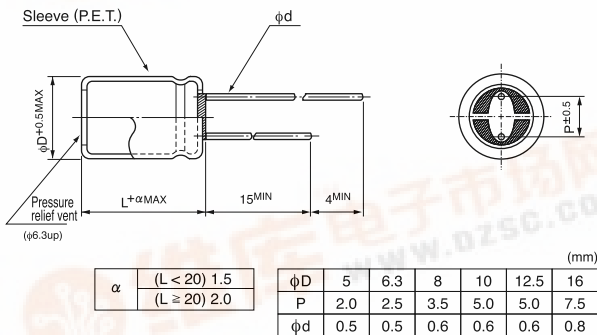
- Bi-polarized series for operations over wide temperature range of $-55 \sim +105^{\circ}\text{C}$.
- Adapted to the RoHS directive (2002/95/EC).



Specifications

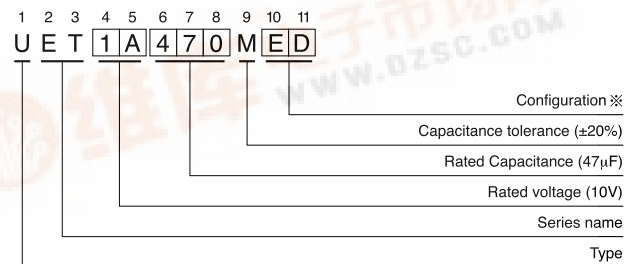
Item	Performance Characteristics																	
Category Temperature Range	-55 ~ +105°C																	
Rated Voltage Range	6.3 ~ 100V																	
Rated Capacitance Range	0.47 ~ 1000μF																	
Capacitance Tolerance	±20% at 120Hz, 20°C																	
Leakage Current	After 5 minutes' application of rated voltage, leakage current is not more than 0.03CV or 3 (μA), whichever is greater.																	
tan δ	Measurement frequency : 120Hz, Temperature : 20°C																	
	Rated voltage (V)	6.3	10	16	25	35	50	63	100									
	tan δ (MAX.)	0.24	0.20	0.16	0.16	0.14	0.12	0.10	0.09									
Stability at Low Temperature	Measurement frequency : 120Hz																	
	Rated voltage (V)		6.3	10	16	25	35	50	63	100								
	Impedance ratio	Z-25°C / Z+20°C	4	3	2	2	2	2	2	2								
	ZT / Z20 (MAX.)	Z-40°C / Z+20°C	8	6	4	4	3	3	3	3								
Endurance	After 1000 hours' application of rated voltage at 105°C with the polarity inverted every 250 hours, capacitors meet the characteristic requirement listed at right.																	
										Capacitance change	Within ±20% of initial value							
										tan δ	200% or less of initial specified value							
	Leakage current									Initial specified value or less								
Shelf Life	After storing the capacitors under no load at 105°C for 1000 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they will meet the specified value for endurance characteristics listed above.																	
Marking	Printed with white color letter on black sleeve.																	

Radial Lead Type



- Please refer to page 21 about the end seal configuration.

Type numbering system (Example : 10V 47 μF)



※ Configuration

ϕD	Pb-free leadwire Pb-free PET sleeve
5	DD
6.3	ED
8 · 10	PD
12.5 · 16	HD

Dimensions

Cap. (μF)	V Code	6.3	10	16	25	35	50	63	100
		0J	1A	1C	1E	1V	1H	1J	2A
0.47	R47						5 × 11	8	5 × 11
1	010						5 × 11	12	5 × 11
2.2	2R2						5 × 11	18	6.3 × 11
3.3	3R3						5 × 11	22	8 × 11.5
4.7	4R7						5 × 11	29	8 × 11.5
10	100			5 × 11	30	5 × 11	40	8 × 11.5	51
22	220		5 × 11	42	6.3 × 11	51	6.3 × 11.5	68	10 × 12.5
33	330	5 × 11	46	6.3 × 11	57	6.3 × 11	63	8 × 11.5	79
47	470	6.3 × 11	61	6.3 × 11	67	8 × 11.5	89	10 × 12.5	100
100	101	8 × 11.5	104	10 × 12.5	125	10 × 12.5	139	10 × 16	164
220	221	10 × 12.5	168	10 × 16	204	10 × 20	279	12.5 × 25	336
330	331	10 × 16	229	10 × 20	275	12.5 × 20	346	12.5 × 25	414
470	471	10 × 20	300	12.5 × 20	371	12.5 × 25	460	16 × 25	543
1000	102	12.5 × 25	550	16 × 25	668	16 × 25	746	16 × 31.5	871

Rated Ripple (mArms) at 105°C 120Hz

Frequency coefficient of rated ripple current

Cap. (μF)	Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz ~
~ 47		0.75	1.00	1.35	1.57	2.00
100 ~ 470		0.80	1.00	1.23	1.34	1.50

Please refer to page 21, 22, 23 about the formed or taped product spec.