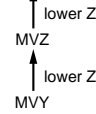


New!
Alchip® MZA Series

- Very low impedance, 105°C 2000 hour-life
- Pb-free design : Sn-Bi plating terminal
- Solvent-proof type (see PRECAUTIONS AND GUIDELINES)

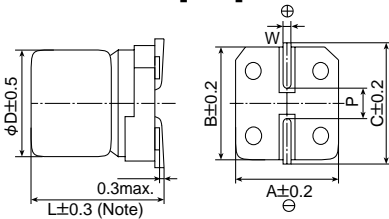
MZA



◆ SPECIFICATIONS

Items	Characteristics							
Category	-55 to +105°C							
Temperature Range	-55 to +105°C							
Rated Voltage Range	6.3 to 50V _{dc}							
Capacitance Tolerance	±20%(M) (20°C, 120Hz)							
Leakage Current	I=0.01CV or 3μA, whichever is greater Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 2 minutes)							
Dissipation Factor (tanδ)	Rated voltage(V _{dc})	6.3V	10V	16V	25V	35V	50V	(20°C, 120Hz)
	tanδ (Max.)	0.26	0.19	0.16	0.14	0.12	0.10	
Low Temperature Characteristics (Max. impedance Ratio)	Rated voltage(V _{dc})	6.3V	10V	16V	25V	35V	50V	(120Hz)
	Z(-25°C)/Z(+20°C)	2	2	2	2	2	2	
	Z(-40°C)/Z(+20°C)	3	3	3	3	3	3	
	Z(-55°C)/Z(+20°C)	4	4	4	3	3	3	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours at 105°C.							
	Capacitance change	≤±30% of the initial measured value						
	D.F. (tanδ)	≤200% of the initial specified value						
	Leakage current	≤The initial specified value						

◆ DIMENSIONS [mm]



Case code	D	L	A	B	C	W	P
D61	4	5.8	4.3	4.3	5.1	0.5 to 0.8	1.0
E61	5	5.8	5.3	5.3	5.9	0.5 to 0.8	1.4
F61	6.3	5.8	6.6	6.6	7.2	0.5 to 0.8	1.9
F80	6.3	7.7	6.6	6.6	7.2	0.5 to 0.8	1.9
H10	8	10.0	8.3	8.3	9.0	0.7 to 1.1	3.1
J10	10	10.0	10.3	10.3	11.0	0.7 to 1.1	4.5

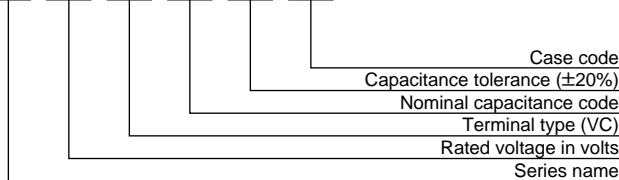
◆ MARKING

EX) 16V220μF



◆ PART NUMBERING SYSTEM

MZA 16 VC 220 M F80



Capacitance	Code
4.7μF	4R7
10μF	10
100μF	100
1000μF	1000

◆ RATED VOLTAGE CODE

Rated voltage (V _{dc})	Code
6.3	j
10	A
16	C
25	E
35	V
50	H

◆ STANDARD RATINGS

μF \ V _{dc}	6.3			10			16			25			35			50		
4.7							D61	1.35	90	D61	1.35	90	D61	1.35	90	D61	2.90	60
10							D61	1.35	90	D61	1.35	90	E61	0.70	160	E61	1.52	85
22	D61	1.35	90	D61	1.35	90	D61	1.35	90	E61	0.70	160	E61	0.70	160	F61	0.88	165
33				D61	1.35	90				E61	0.70	160	F61	0.36	240	F80	0.68	195
47	D61	1.35	90				E61	0.70	160	F61	0.36	240	F61	0.36	240	F80	0.68	195
100	E61	0.70	160				F61	0.36	240	F80	0.34	280	F80	0.34	280	H10	0.34	350
220	F61	0.36	240	F80	0.34	280	F80	0.34	280	H10	0.16	600	H10	0.16	600	J10	0.18	670
330	F80	0.34	280	H10	0.16	600	H10	0.16	600	H10	0.16	600	J10	0.08	850			
470	H10	0.16	600	H10	0.16	600	H10	0.16	600	J10	0.08	850						
680				H10	0.16	600	J10	0.08	850									
1000	H10	0.16	600	J10	0.08	850												
1500	J10	0.08	850															

Note : → Use next higher voltage part.

Rated ripple current (mArms) at 105°C, 100kHz
Impedance (Ω max.) at 20°C, 100kHz
Case code