

# VISHAY BC COMPONENTS Aluminum Capacitors Miniature Axial



RoHS Compliant This product is RoHS compliant.

## VISHAY 021 ASM SERIES

### Features:

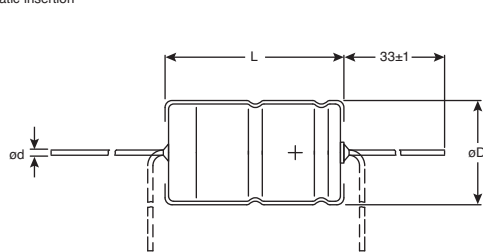
- Polarized aluminum electrolytic capacitors, non-solid electrolyte
- Axial leads, cylindrical aluminum case, insulated with a blue sleeve
- Taped versions up to case ø15x30mm available for automatic insertion
- Charge and discharge proof

### Reference Data:

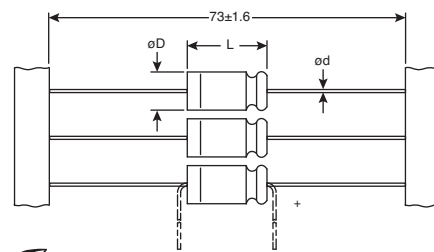
- Tolerance on  $C_p$ : ±20%
- Rated voltage range,  $U_p$ : 6.3 to 100V
- Category temperature range: -40 to +85°C
- Shelf life at 0V, 85°C: 500 Hours

### Applications:

- General purpose, industrial, automotive, audio-video
- Coupling, decoupling, smoothing, filtering, buffering
- Portable and mobile equipment (small size, low mass)
- Low mounting height boards, vibration and shock resistant



**Form AA:** Axial in box (bulk)  
Case øD x L = 10 x 30 to 21 x 38mm



**Form BA:** Taped in box (ammopak),  
case øD x L = 6.5 x 18 to 10 x 25mm



RoHS Compliant

Aluminum Caps, Leaded Vishay

### 6.3 Volt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Pack-aging	Value (µF)	Case Size DxDL (mm)	Price Each			
					1	10	50	100
594-2222-021-33102	MAL202133102E3	BA	1000µF	8 x 18	.79	.73	.66	.59

### 10 Volt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Pack-aging	Value (µF)	Case Size DxDL (mm)	Price Each			
					1	10	50	100
594-2222-021-34101	MAL202134101E3	BA	100µF	4.5 x 10	.49	.45	.41	.37
594-2222-021-34221	MAL202134221E3	BA	220µF	6 x 10	.54	.50	.45	.41
594-2222-021-34331	MAL202134331E3	BA	330µF	8 x 11	.69	.63	.58	.52
594-2222-021-34471	MAL202134471E3	BA	470µF	6.5 x 18	.69	.63	.58	.52
594-2222-021-34102	MAL202134102E3	BA	1000µF	10 x 18	.91	.84	.76	.68
594-2222-021-14332	MAL202114332E3	AA	3300µF	12.5 x 30	1.76	1.62	1.47	1.32

### 16 Volt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Pack-aging	Value (µF)	Case Size DxDL (mm)	Price Each			
					1	10	50	100
594-2222-021-35689	MAL202135689E3	BA	68µF	4.5 x 10	.49	.45	.41	.37
594-2222-021-35151	MAL202135151E3	BA	150µF	6 x 10	.54	.50	.45	.41
594-2222-021-35221	MAL202135221E3	BA	220µF	8 x 11	.69	.63	.58	.52
594-2222-021-35331	MAL202135331E3	BA	330µF	6.5 x 18	.69	.63	.58	.52
594-2222-021-35471	MAL202135471E3	BA	470µF	8 x 18	.79	.73	.66	.59
594-2222-021-90518	MAL202190518E3	BA	1000µF	10 x 25	1.15	1.06	.96	.87
594-2222-021-15102	MAL202115102E3	AA	1000µF	10 x 30	1.39	1.27	1.16	1.04
594-2222-021-15222	MAL202115222E3	AA	2200µF	12.5 x 30	1.75	1.61	1.46	1.32
594-2222-021-15332	MAL202115332E3	AA	3300µF	15 x 30	2.09	1.91	1.74	1.57
594-2222-021-15472	MAL202115472E3	AA	4700µF	18 x 30	2.51	2.30	2.09	1.88
594-2222-021-15103	MAL202115103E3	AA	10000µF	21 x 38	4.13	3.78	3.44	3.09

### 25 Volt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Pack-aging	Value (µF)	Case Size DxDL (mm)	Price Each			
					1	10	50	100
594-2222-021-36479	MAL202136479E3	BA	47µF	4.5 x 10	.49	.45	.41	.37
594-2222-021-36101	MAL202136101E3	BA	100µF	6 x 10	.54	.50	.45	.41
594-2222-021-36221	MAL202136221E3	BA	220µF	6.5 x 18	.69	.63	.58	.52
594-2222-021-36331	MAL202136331E3	BA	330µF	8 x 18	.79	.73	.66	.59
594-2222-021-36471	MAL202136471E3	BA	470µF	10 x 18	.91	.84	.76	.68
594-2222-021-90528	MAL202190528E3	BA	680µF	10 x 25	1.15	1.06	.96	.87
594-2222-021-16102	MAL202116102E3	AA	1000µF	12.5 x 30	1.54	1.41	1.28	1.15
594-2222-021-16152	MAL202116152E3	AA	1500µF	12.5 x 30	1.76	1.62	1.47	1.32
594-2222-021-16222	MAL202116222E3	AA	2200µF	15 x 30	2.07	1.90	1.73	1.56
594-2222-021-16332	MAL202116332E3	AA	3300µF	18 x 30	2.56	2.35	2.13	1.92
594-2222-021-90062	MAL202190062E3	AA	4700µF	18 x 38	3.19	2.92	2.65	2.39
594-2222-021-16682	MAL202116682E3	AA	6800µF	21 x 38	4.12	3.78	3.43	3.09

### 40 Volt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Pack-aging	Value (µF)	Case Size DxDL (mm)	Price Each			
					1	10	50	100
594-2222-021-37229	MAL202137229E3	BA	22µF	4.5 x 10	.49	.45	.41	.37
594-2222-021-37479	MAL202137479E3	BA	47µF	6 x 10	.54	.50	.45	.41
594-2222-021-37101	MAL202137101E3	BA	100µF	6.5 x 18	.69	.63	.58	.52
594-2222-021-90538	MAL202190538E3	BA	100µF	8 x 11	.69	.63	.58	.52
594-2222-021-37221	MAL202137221E3	BA	220µF	10 x 18	.91	.84	.76	.68
594-2222-021-37331	MAL202137331E3	BA	330µF	10 x 25	1.15	1.06	.96	.87
594-2222-021-90515	MAL202190515E3	BA	470µF	10 x 25	1.15	1.06	.96	.87
594-2222-021-17471	MAL202117471E3	AA	470µF	10 x 30	1.33	1.22	1.11	1.00
594-2222-021-17681	MAL202117681E3	AA	680µF	12.5 x 30	1.50	1.38	1.25	1.13
594-2222-021-17102	MAL202117102E3	AA	1000µF	12.5 x 30	1.92	1.76	1.60	1.44
594-2222-021-17152	MAL202117152E3	AA	1500µF	15 x 30	2.07	1.90	1.72	1.55
594-2222-021-17222	MAL202117222E3	AA	2200µF	18 x 30	2.59	2.37	2.15	1.94
594-2222-021-17332	MAL202117332E3	AA	3300µF	18 x 38	3.39	3.11	2.83	2.54
594-2222-021-17472	MAL202117472E3	AA	4700µF	21 x 38	4.53	4.15	3.78	3.40

### 63 Volt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Pack-aging	Value (µF)	Case Size DxDL (mm)	Price Each			
					1	10	50	100
594-2222-021-38477	MAL202138477E3	BA	0.47µF	4.5 x 10	.45	.41	.37	.34
594-2222-021-38108	MAL202138108E3	BA	1µF	4.5 x 10	.45	.41	.37	.34
594-2222-021-38109	MAL202138109E3	BA	10µF	4.5 x 10	.45	.41	.37	.34
594-2222-021-38228	MAL202138228E3	BA	2.2µF	4.5 x 10	.45	.41	.37	.34
594-2222-021-38338	MAL202138338E3	BA	3.3µF	4.5 x 10	.45	.41	.37	.34
594-2222-021-38478	MAL202138478E3	BA	4.7µF	4.5 x 10	.45	.41	.37	.34
594-2222-021-38159	MAL202138159E3	BA	15µF	4.5 x 10	.49	.45	.41	.37
594-2222-021-38229	MAL202138229E3	BA	22µF	6 x 10	.49	.45	.41	.37
594-2222-021-38339	MAL202138339E3	BA	33µF	6 x 10	.54	.50	.45	.41
594-2222-021-38479	MAL202138479E3	BA	47µF	6.5 x 18	.69	.63	.58	.52
594-2222-021-90542	MAL202190542E3	BA	47µF	8 x 11	.69	.63	.58	.52
594-2222-021-38689	MAL202138689E3	BA	68µF	6.5 x 18	.69	.63	.58	.52
594-2222-021-90545	MAL202190545E3	BA	68µF	8 x 11	.69	.63	.58	.52
594-2222-021-38101	MAL202138101E3	BA	100µF	8 x 18	.79	.73	.66	.59
594-2222-021-38151	MAL202138151E3	BA	150µF	10 x 18	.91	.84	.76	.68
594-2222-021-90512	MAL202190512E3	BA	220µF	10 x 25	1.15	1.06	.96	.87
594-2222-021-18221	MAL202118221E3	AA	220µF	10 x 30	1.33	1.22	1.11	1.00
594-2222-021-18331	MAL202118331E3	AA	330µF	12.5 x 30	1.49	1.37	1.24	1.12
594-2222-021-18471	MAL202118471E3	AA	470µF	12.5 x 30	1.68	1.54	1.40	1.26
594-2222-021-18681	MAL202118681E3	AA	680µF	15 x 30	1.99	1.83	1.66	1.49
594-2222-021-18102	MAL202118102E3	AA	1000µF	18 x 30	2.47	2.26	2.06	1.85
594-2222-021-18152	MAL202118152E3	AA	1500µF	18 x 38	3.21	2.95	2.68	2.41
594-2222-021-18222	MAL202118222E3	AA	2200µF	21 x 38	4.27	3.92	3.56	3.20

### 100 Volt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Pack-aging	Value (µF)	Case Size DxDL (mm)	Price Each			
					1	10	50	100
594-2222-021-39108	MAL202139108E3	BA	1µF	4.5 x 10	.45	.41	.37	.34
594-2222-021-39228	MAL202139228E3	BA	2.2µF	4.5 x 10	.45	.41	.37	.34
594-2222-021-39478	MAL202139478E3	BA	4.7µF	4.5 x 10	.49	.45	.41	.37
594-2222-021-39109	MAL202139109E3	BA	10µF	6 x 10	.52	.48	.43	.39
594-2222-021-39229	MAL202139229E3	BA	22µF	6.5 x 18	.69	.63	.58	.52
594-2222-021-39479	MAL202139479E3	BA	47µF	8 x 18	.79	.73	.66	.59
594-2222-021-39689	MAL202139689E3	BA	68µF	10 x 18	.91	.84	.76	.68
594-2222-021-90532	MAL202190532E3	BA	100µF	10 x 25	1.15	1.06	.96	.87
594-2222-021-19101	MAL202119101E3	AA	100µF	10 x 30	1.36	1.25	1.13	1.02
594-2222-021-19221	MAL202119221E3	AA	220µF	12.5 x 30	1.73	1.58	1.44	1.29
594-2222-021-19331	MAL202119331E3	AA	330µF	15 x 30	2.13	1.95	1.77	1.60
594-2222-021-19471	MAL202119471E3	AA	470µF	18 x 30	2.63	2.42	2.20	1.98
594-2222-021-19102	MAL202119102E3	AA	1000µF	21 x 38	4.56	4.18	3.80	3.42