

AVX Microwave MLCs

RoHS Compliant This product is RoHS compliant.

MLOC SERIES ORGANIC RF CAPACITORS

Features:

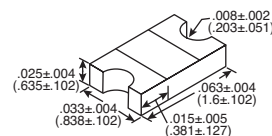
- EIA size 0603
- Designed to be used above 700 MHz
- High self resonance
- Tight tolerance
- Low ESR
- Hi-Q

Applications:

- Cellular communications
- Point to point radios
- RF power amplifiers
- Low noise amplifiers
- Filter Networks
- Wi-Fi / Wi-Max

Electrical Specifications:

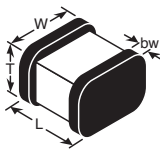
- Operating temperature range: -55°C to +125°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (pF)	Tol. ±	Price Each				Reel Qty	Price Per Piece
				1	100	500	1000		
50 Volt									
581-ML03510R1AAT2A	ML03510R1AAT2A	0.1	0.5	.56	.42	.32	.30	3000	.21
581-ML03510R1BAT2A	ML03510R1BAT2A	0.1	0.10	.38	.28	.26	.22	3000	.15
581-ML03510R2AAT2A	ML03510R2AAT2A	0.2	0.5	.56	.42	.32	.30	3000	.21
581-ML03510R2BAT2A	ML03510R2BAT2A	0.2	0.10	.38	.28	.26	.22	3000	.15
581-ML03510R3AAT2A	ML03510R3AAT2A	0.3	0.5	.56	.42	.32	.30	3000	.21
581-ML03510R3BAT2A	ML03510R3BAT2A	0.3	0.10	.38	.28	.26	.22	3000	.15
581-ML03510R4AAT2A	ML03510R4AAT2A	0.4	0.5	.56	.42	.32	.30	3000	.21
581-ML03510R4BAT2A	ML03510R4BAT2A	0.4	0.10	.38	.28	.26	.22	3000	.15
581-ML03510R5AAT2A	ML03510R5AAT2A	0.5	0.5	.51	.34	.31	.28	3000	.196
581-ML03510R5BAT2A	ML03510R5BAT2A	0.5	0.10	.34	.26	.23	.20	3000	.13
581-ML03510R6AAT2A	ML03510R6AAT2A	0.6	0.5	.51	.34	.31	.28	3000	.196
581-ML03510R6BAT2A	ML03510R6BAT2A	0.6	0.10	.34	.26	.23	.20	3000	.13
581-ML03510R7AAT2A	ML03510R7AAT2A	0.7	0.5	.51	.34	.31	.28	3000	.196
581-ML03510R7BAT2A	ML03510R7BAT2A	0.7	0.10	.34	.26	.23	.20	3000	.13
581-ML03510R8AAT2A	ML03510R8AAT2A	0.8	0.5	.51	.34	.31	.28	3000	.196
581-ML03510R8BAT2A	ML03510R8BAT2A	0.8	0.10	.34	.26	.23	.20	3000	.13
581-ML03510R9AAT2A	ML03510R9AAT2A	0.9	0.5	.51	.34	.31	.28	3000	.196
581-ML03510R9BAT2A	ML03510R9BAT2A	0.9	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R0AAT2A	ML03511R0AAT2A	1	0.5	.51	.34	.31	.28	3000	.196
581-ML03511R0BAT2A	ML03511R0BAT2A	1	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R1AAT2A	ML03511R1AAT2A	1.1	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R1BAT2A	ML03511R1BAT2A	1.1	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R2AAT2A	ML03511R2AAT2A	1.2	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R2BAT2A	ML03511R2BAT2A	1.2	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R3AAT2A	ML03511R3AAT2A	1.3	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R3BAT2A	ML03511R3BAT2A	1.3	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R4AAT2A	ML03511R4AAT2A	1.4	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R4BAT2A	ML03511R4BAT2A	1.4	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R5AAT2A	ML03511R5AAT2A	1.5	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R5BAT2A	ML03511R5BAT2A	1.5	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R6AAT2A	ML03511R6AAT2A	1.6	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R6BAT2A	ML03511R6BAT2A	1.6	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R7AAT2A	ML03511R7AAT2A	1.7	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R7BAT2A	ML03511R7BAT2A	1.7	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R8AAT2A	ML03511R8AAT2A	1.8	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R8BAT2A	ML03511R8BAT2A	1.8	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R9AAT2A	ML03511R9AAT2A	1.9	0.10	.34	.26	.23	.20	3000	.13
581-ML03511R9BAT2A	ML03511R9BAT2A	1.9	0.10	.34	.26	.23	.20	3000	.13
581-ML03512R0AAT2A	ML03512R0AAT2A	2	0.10	.34	.26	.23	.20	3000	.13
581-ML03512R1BAT2A	ML03512R1BAT2A	2.1	0.10	.34	.26	.23	.20	3000	.13
581-ML03512R2BAT2A	ML03512R2BAT2A	2.2	0.10	.34	.26	.23	.20	3000	.13
581-ML03512R3BAT2A	ML03512R3BAT2A	2.3	0.10	.34	.26	.23	.20	3000	.13
581-ML03512R4BAT2A	ML03512R4BAT2A	2.4	0.10	.34	.26	.23	.20	3000	.13
581-ML03512R5BAT2A	ML03512R5BAT2A	2.5	0.10	.34	.26	.23	.20	3000	.13

These porcelain and ceramic dielectric multilayer capacitor (MLC) chips are best suited for RF/Microwave applications typically ranging from 10MHz to 4.2GHz. Characteristic is a fine grained, high density, high purity dielectric material impervious to moisture with heavy internal palladium electrodes.



Specifications:

- High current carrying capabilities
- High quality factors
- Excellent stability under stresses of changing voltage, frequency, time and temperature
- Temperature coefficient: (M) +90 ±20PPM°C, (A) ±30PPM°C

AQ SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Volt	Tol. ±	Temp. Coef.	Price Each				
					1	50	100	500	1000
Style AQ12									
581-AQ12EM0R8BATME	0.8	150	0.1pF	M	2.94	1.96	1.47	1.23	1.10
581-AQ12EM1R0BATME	1.0	150	0.1pF	M	2.94	1.96	1.47	1.23	1.10
581-AQ12EM2R2DATME	2.2	150	0.5pF	M	1.38	1.08	1.02	.68	.63
581-AQ12EM2R7BATME	2.7	150	0.1pF	M	2.94	1.96	1.47	1.23	1.10
581-AQ12EM3R3BATME	3.3	150	0.1pF	M	2.94	1.96	1.47	1.23	1.10
581-AQ12EM3R9BATME	3.9	150	0.1pF	M	2.94	1.96	1.47	1.23	1.10
581-AQ12EM5R1BATME	5.1	150	0.1pF	M	2.94	1.96	1.47	1.23	1.10
581-AQ12EM10OJATME	10	150	2%	M	1.87	1.77	1.73	1.53	1.38
581-AQ12EM56OJATME	56	150	5%	M	1.59	1.26	1.19	.81	.74
Style AQ14									
581-AQ147M0R1BATME	0.1	500	0.1pF	M	3.81	3.02	2.86	1.94	1.77
581-AQ147M0R4BATME	0.4	500	0.1pF	M	2.04	1.20	1.02	.89	.73
581-AQ147M0R5BATME	0.5	500	0.1pF	M	2.04	1.20	1.02	.89	.73
581-AQ147M0R7BATME	0.7	500	0.1pF	M	2.04	1.20	1.02	.89	.73
581-AQ147M1R1BATME	1.1	500	0.1pF	M	2.04	1.20	1.02	.89	.73
581-AQ147M1R3BATME	1.3	500	0.1pF	M	2.04	1.20	1.02	.89	.73
581-AQ147M10OJATME	10	500	5%	M	1.21	1.15	1.10	.99	.88
581-AQ147M20OJATME	20	500	5%	M	1.21	1.15	1.10	.99	.88
581-AQ147M27OJATME	27	500	5%	M	1.70	1.35	1.27	.87	.79
581-AQ147M56OJATME	56	500	5%	M	1.37	1.31	1.25	1.12	1.00
581-AQ147M68OJATME	68	500	5%	M	1.37	1.31	1.25	1.12	1.00
581-AQ147M101JATME	100	500	5%	M	1.37	1.31	1.25	1.12	1.00
581-AQ142M271JATME	270	200	5%	M	1.37	1.31	1.25	1.12	1.00
581-AQ142M391JATME	390	200	5%	M	1.76	1.68	1.60	1.42	1.27
581-AQ142A431KATME	430	200	10%	A	1.35	1.08	1.01	.67	.60
581-AQ142M471JATME	470	200	5%	M	1.76	1.68	1.60	1.42	1.27
581-AQ14EM102JATME	1000	150	5%	M	3.77	3.00	2.83	1.92	1.75
581-AQ14EA102KATME	1000	150	10%	A	2.94	1.96	1.47	1.23	1.10

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (pF)	Tol. ±	Price Each				Reel Qty	Price Per Piece
				1	100	500	1000		
250 Volt									
581-ML03V10R1AAT2A	ML03V10R1AAT2A	0.1	0.5	.56	.38	.34	.31	3000	.21
581-ML03V10R1BAT2A	ML03V10R1BAT2A	0.1	0.10	.38	.25	.23	.21	3000	.14
581-ML03V10R2AAT2A	ML03V10R2AAT2A	0.2	0.5	.56	.38	.34	.31	3000	.21
581-ML03V10R2BAT2A	ML03V10R2BAT2A	0.2	0.10	.38	.25	.23	.21	3000	.14
581-ML03V10R3AAT2A	ML03V10R3AAT2A	0.3	0.5	.56	.38	.34	.31	3000	.21
581-ML03V10R3BAT2A	ML03V10R3BAT2A	0.3	0.10	.38	.25	.23	.21	3000	.14
581-ML03V10R4AAT2A	ML03V10R4AAT2A	0.4	0.5	.56	.38	.34	.31	3000	.21
581-ML03V10R4BAT2A	ML03V10R4BAT2A	0.4	0.10	.38	.25	.23	.21	3000	.14
581-ML03V10R5AAT2A	ML03V10R5AAT2A	0.5	0.10	.34	.23	.20	.19	3000	.13
581-ML03V10R6AAT2A	ML03V10R6AAT2A	0.6	0.5	.51	.35	.31	.28	3000	.19
581-ML03V10R6BAT2A	ML03V10R6BAT2A	0.6	0.10	.34	.23	.20	.19	3000	.13
581-ML03V10R7AAT2A	ML03V10R7AAT2A	0.7	0.5	.51	.35	.31	.28	3000	.19
581-ML03V10R7BAT2A	ML03V10R7BAT2A	0.7	0.10	.34	.23	.20	.19	3000	.13
581-ML03V10R8AAT2A	ML03V10R8AAT2A	0.8	0.5	.51	.35	.31	.28	3000	.19
581-ML03V10R8BAT2A	ML03V10R8BAT2A	0.8	0.10	.34	.23	.20	.19	3000	.13
581-ML03V10R9AAT2A	ML03V10R9AAT2A	0.9	0.5	.51	.35	.31	.28	3000	.19
581-ML03V10R9BAT2A	ML03V10R9BAT2A	0.9	0.10	.34	.23	.20	.19	3000	.13
581-ML03V11R0AAT2A	ML03V11R0AAT2A	1	0.5	.51	.35	.31	.28	3000	.19
581-ML03V11R0BAT2A	ML03V11R0BAT2A	1	0.10	.34	.23	.20	.19	3000	.13
581-ML03V11R1AAT2A	ML03V11R1AAT2A	1.1	0.10	.34	.23	.20	.19	3000	.13
581-ML03V11R1BAT2A									