

AVX Thin Film RF/Microwave Capacitors

QM SERIES MLCC SMD CAPACITOR

- Features:**
- Reduced noise at audio frequencies
 - High capacitance
- Applications:**
- Mobile phones
 - Hard disk drive
 - LCD panel driver circuit applications
- Electrical:**
- Temperature range: -55°C to +85°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each			Reel Qty.	Price Per Piece
					1	50	100		
581-QM036D106MAT2A	QM036D106MAT2A	10	6.3	20	1.00	.87	.75	4000	.36
581-QM05YD106KAT2A	QM05YD106KAT2A	10	16	10	1.13	1.00	.84	3000	.40
581-QM103D106KAT2A	QM103D106KAT2A	10	25	10	1.74	1.50	1.29	1000	.80
581-QM054D226MAT2A	QM054D226MAT2A	22	4	20	1.13	1.00	.84	3000	.40

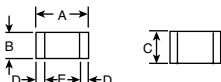
MK SERIES ULTRA LOW ESR, COG (NP0) CHIP CAPACITOR

Designed for 'Ultra' low ESR for applications in the communications market. Max ESR and effective capacitance are met on each value producing lot to lot uniformity.



RoHS Compliant

DIMENSIONS: mm (in.)



Size	A	B	C	D	E
0402	0.039±0.004 (1.00±0.1)	0.020±0.004 (.50±0.1)	0.024(0.6) max	N/A	N/A
0603	0.060±0.010 (1.52±0.25)	0.030±0.010 (.76±0.25)	0.036 (0.91) max	0.010±0.005 (0.25±0.13)	0.030 (0.76) min
0805	0.079±0.008 (2.01±0.2)	0.049±0.008 (1.25±0.2)	0.040±0.005 (1.02±0.127)	0.020±0.010 (0.51±0.254)	0.020 (0.51) min

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MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
0402									
581-MK02272R2BAT2A	MK02272R2BAT2A	2.2	200	0.1	.39	.36	.27	5000	.106
581-MK02275R6BATA	MK02275R6BATA	5.6	200	0.1	.39	.36	.27	5000	.106
581-MK0227100FAT2A	MK0227100FAT2A	10	200	1%	1.56	1.42	1.06	5000	.42
0603									
581-MK03V72R4BAT2A	MK03V72R4BAT2A	2.4	250	0.1	1.20	.98	.81	3000	.33
581-MK03V72R7BAT2A	MK03V72R7BAT2A	2.7	250	0.1	1.20	.98	.81	3000	.33
581-MK03V73R3BAT2A	MK03V73R3BAT2A	3.3	250	0.1	1.20	.98	.81	3000	.33
581-MK03V79R1BAT2A	MK03V79R1BAT2A	9.1	250	0.1	1.20	.98	.81	3000	.33
0805									
581-MK05V72R7CAT2A	MK05V72R7CAT2A	2.7	250	0.25	3.36	1.98	1.14	3000	.58
581-MK05V7270JAT2A	MK05V7270JAT2A	27	250	5%	1.20	.98	.81	3000	.33

ACCU-P® THIN-FILM RF/MICROWAVE CAPACITORS

- Features:**
- Minimal batch to batch variability of parameters at high frequency
 - Low ESR, high Q, low capacitance
 - Inspected, test and quality control procedures in accordance with ISO 9001, CECC, IECQ, USA MIL Standards guarantee product of the highest quality
- Electrical Specifications:**
- Temperature range: -55°C to +125°C

Applications:

- Cellular communications
- CT2/PCN
- Satellite, cable TV
- RF amplifiers
- Test and measurements
- GPS

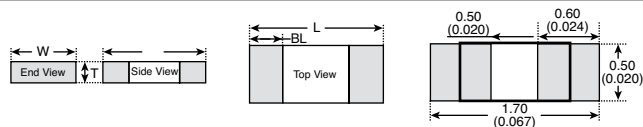
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MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
Style 0201									
581-02013J0R8BBS	02013J0R8BBS	0.8	25	0.1	.47	.344	.312	5000	.256
581-02013J0R9BBS	02013J0R9BBS	0.9	25	0.1	.47	.344	.312	5000	.256
581-02013J1R8BBS	02013J1R8BBS	1.8	25	0.1	.47	.344	.312	5000	.256
581-02013J2R0BBS	02013J2R0BBS	2.0	25	0.1	.47	.344	.312	5000	.256
581-02013J2R2BBS	02013J2R2BBS	2.2	25	0.1	.47	.344	.312	5000	.256
581-02013J2R4BBS	02013J2R4BBS	2.4	25	0.1	.47	.344	.312	5000	.256
581-02013J2R7BBS	02013J2R7BBS	2.7	25	0.1	.47	.344	.312	5000	.256
Style 0402									
581-04023J1R0BBS	04023J1R0BBS	1.0	25	0.1	1.32	.78	.45	5000	.30
581-04023J1R5BBS	04023J1R5BBS	1.5	25	0.1	1.32	.78	.45	5000	.30
581-04023J1R6BBS	04023J1R6BBS	1.6	25	0.1	1.32	.78	.45	5000	.30
581-04023J1R8BBS	04023J1R8BBS	1.8	25	0.1	1.32	.78	.45	5000	.30
581-04023J2R2BBS	04023J2R2BBS	2.2	25	0.1	1.32	.78	.45	5000	.30
581-04023J3R0BBS	04023J3R0BBS	3.0	25	0.1	1.32	.78	.45	5000	.30
581-04023J3R3BBS	04023J3R3BBS	3.3	25	0.1	1.32	.78	.45	5000	.30
581-04023J3R9BBS	04023J3R9BBS	3.9	25	0.1	1.32	.78	.45	5000	.30
581-04023J4R3CBS	04023J4R3CBS	4.3	10	0.25	6.33	.403	.37	5000	.18
581-04023J4R7BBS	04023J4R7BBS	4.7	25	0.1	1.32	.78	.45	5000	.30
581-04023J4R7CBS	04023J4R7CBS	4.7	10	0.25	6.33	.403	.37	5000	.18
581-04023J5R6BBS	04023J5R6BBS	5.6	25	0.1	1.32	.78	.45	5000	.30
581-04023J6R8BBS	04023J6R8BBS	6.8	25	0.1	1.32	.78	.45	5000	.30
581-04023J7R5BBS	04023J7R5BBS	7.5	25	0.1	1.32	.78	.45	5000	.30
581-0402YJ100FBS	0402YJ100FBS	10	16	1%	1.28	.60	.562	5000	.346
581-0402YJ20FBS	0402YJ20FBS	12	10	1%	1.28	1.17	.67	5000	.32
Style 0603									
581-06035J0R2ABS	06035J0R2ABS	0.2	50	0.05	3.00	2.08	1.20	3000	.88
581-06035J0R3BBS	06035J0R3BBS	0.3	50	0.1	1.67	1.49	.86	3000	.56
581-06035J0R4BBS	06035J0R4BBS	0.4	50	0.1	1.67	1.49	.86	3000	.56
581-06035J0R5BBS	06035J0R5BBS	0.5	50	0.1	1.67	1.49	.86	3000	.56
581-06035J0R7BBS	06035J0R7BBS	0.7	50	0.1	1.67	1.49	.86	3000	.56
581-06035J0R8BBS	06035J0R8BBS	0.8	50	0.1	1.67	1.49	.86	3000	.56
581-06035J0R9PBS	06035J0R9PBS	0.9	50	0.02	4.55	2.92	1.68	3000	1.11
581-06035J1R0BBS	06035J1R0BBS	1.0	50	0.1	1.63	1.49	.86	3000	.41

UT SERIES ULTRA THIN CERAMIC CAPACITORS - 0402 X5R

- Applications:**
- Smart cards
 - Memory modules
 - Embedded solutions
 - Mobile phones
 - MP3 players
 - High Density SIM cards
- Electrical Specifications:**
- Temperature range: -55°C to +85°C

DIMENSIONS: mm (in.)



Thickness	L	W	T	BL
D	1.00±0.10	0.50±0.10	0.25±0.05	0.27±0.05
E	1.00±0.10	0.50±0.10	0.20±0.05	0.27±0.05
F	1.00±0.10	0.50±0.10	0.125±0.025	0.27±0.05

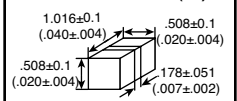
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					1	100	500		
581-UT02ZD223MAC2D	UT02ZD223MAC2D	0.022	10	20%	1.30	.97	.65	15000	.52
581-UT02ZD223MAT2D	UT02ZD223MAT2D	0.022	10	20%	1.30	.97	.65	15000	.52
581-UT026D103MAC2F	UT026D103MAC2F	0.01	6.3	20%	1.35	1.01	.67	15000	.48
581-UT02YD103MAT2E	UT02YD103MAT2E	0.01	16	20%	1.25	.93	.62	15000	.45

GX SERIES ULTRA BROAD BAND CAPACITOR

- Features:**
- Ultra-Broadband performance
 - Ultra-Low Insertion Loss
 - Excellent Return Loss
- Applications:**
- Semi-Conductor Data Communications
 - Receiver Optical Sub-Assemblies
 - Transimpedance Amplifier

DIMENSIONS: mm (in.)



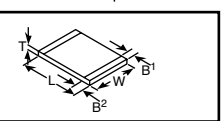
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Cap. (uF)	Volt. (DC)	Tol. (pF)	Price Each			Reel Qty.	Price Per Piece
					1	50	100		
Style 0201 X7S									
581-GX01ZD103PATD1K	GX01ZD103PATD-1000	0.01	6.3	0%, 100%	6.52	4.63	4.16	1000	3.45
Style 0402 COG									
581-GX02YD104KAT2	GX02YD104KAT2-500	0.1	16	10%	5.06	3.58	3.19	500	2.94

Dimensions: mm (in.)				
	0201 *	0402 *	0603 *	0805 *
L	0.60 ± 0.05 (0.23 ± 0.02)	1.00 ± 0.1 (0.39 ± 0.04)	1.60 ± 0.1 (0.63 ± 0.04)	2.01 ± 0.1 (0.79 ± 0.04)
W	0.325 ± 0.050 (0.128 ± 0.02)	0.55 ± 0.07 (0.22 ± 0.03)	0.81 ± 0.1 (0.32 ± 0.04)	1.27 ± 0.1 (0.50 ± 0.04)
T	0.225 ± 0.050 (0.09 ± 0.02)	0.40 ± 0.1 (0.16 ± 0.04)	0.63 ± 0.1 (0.25 ± 0.04)	0.93 ± 0.2 (0.36 ± 0.08)
B1	.10 ± 0.10 (0.04 ± 0.04)	.00 ± 0.1/-0 (0.00 ± 0.04/-0)	0.35 ± 0.15 (0.14 ± 0.06)	0.30 ± 0.1 (0.12 ± 0.04)
B2	0.15 ± 0.05 (0.06 ± 0.02)	0.20 ± 0.1 (0.08 ± 0.04)	0.35 ± 0.15 (0.14 ± 0.06)	0.30 ± 0.1 (0.12 ± 0.04)

RoHS Compliant



* Mount black side up.

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MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
Style 0603 (Cont.)									
581-06035J1R0PBSTR	06035J1R0PBSTR	1.0	50	0.02	4.55	2.92	1.68	3000	1.11
581-06035J1R2PBBS	06035J1R2PBBS	1.2	50	0.02	4.55	2.92	1.68	3000	1.11
581-06035J1R6ABSTR	06035J1R6ABSTR	1.6	50	0.05	3.00	2.08	1.20	3000	.88
581-06035J1R8BBS	06035J1R8BBS	1.8	50	0.1	1.67	1.49	.86	3000	.56
581-06035J1R1BBS	06035J1R1BBS	1.1	50	0.1	1.67	1.49	.86	3000	.56
581-06035J2R0ABS	06035J2R0ABS	2.0	50	0.05	1.67	1.49	.86	3000	.56
581-06035J2R0BBS	06035J2R0BBS	2.0	50	0.1	1.63	1.49	.86	3000	.41
581-06035J2R2ABS	06035J2R2ABS	2.2	50	0.05	3.00	2.08	1.20	3000	.88
581-06035J2R2BBS	06035J2R2BBS	2.2	50	0.1	1.67	1.49	.86	3000	.56
581-06035J2R4BBS	06035J2R4BBS	2.4	50	0.1	1.67	1.49	.86	3000	.56
581-06035J2R7BBS	06035J2R7BBS	2.7	50	0.1	1.67	1.49	.86	3000	.56
581-06035J3R0BBS	06035J3R0BBS	3.0	50	0.1	1.67	1.49	.8		