

ATC Multilayer Ceramic Chip Capacitors



This page of product is RoHS compliant.

ATC 600 SERIES ULTRA-LOW ESR, HIGH Q, NPO RF AND MICROWAVE CAPACITORS (CONT.)

Features:

- Lowest ESR in class
- Laser Marking (optional)
- High Self Resonance Frequencies

Circuit Applications:

- Filter Networks
- High Q Frequency Sources
- Matching Networks
- Tuning, Coupling, Bypass and DC Blocking

Applications:

- Cellular Base Stations
- Wireless Communications
- Broadband Wireless Services
- Satellite communications
- WiMAX (802.16)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ATC Part No.	Value (pF)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
				1	10	100		
0603 Case Size - 250V (Cont.)								
581-600S620FT	600S620FT250XT	62	1%	2.33	1.91	1.35	500	1.00
581-600S680FT	600S680FT250XT	68	1%	2.33	1.91	1.35	500	1.00
581-600S680GT	600S680GT250XT	68	2%	1.57	1.29	.908	500	.673
581-600S680JT	600S680JT250XT	68	5%	1.09	.91	.58	500	.43
581-600S750FT	600S750FT250XT	75	1%	2.33	1.91	1.35	500	1.00
581-600S820FT	600S820FT250XT	82	1%	2.33	1.91	1.35	500	1.00
581-600S820JT	600S820JT250XT	82	5%	1.09	.91	.58	500	.43
581-600S101FT	600S101FT250XT	100	1%	2.27	1.88	1.58	4000	.72
581-600S101GT	600S101GT250XT	100	2%	1.84	1.50	1.06	4000	.49
581-600S101JT	600S101JT250XT	100	5%	1.30	1.08	.69	4000	.31
0805 Case Size - 250V								
581-600F0R2AT	600F0R2AT250XT	0.2	.05pF	1.66	1.35	.96	500	.71
581-600F0R2BT	600F0R2BT250XT	0.2	.1pF	1.08	.90	.57	500	.43
581-600F0R3AT	600F0R3AT250XT	0.3	.05pF	1.66	1.35	.96	500	.71
581-600F0R3BT	600F0R3BT250XT	0.3	.1pF	1.08	.90	.57	500	.43
581-600F0R5AT	600F0R5AT250XT	0.5	.05pF	1.66	1.35	.96	500	.71
581-600F0R5BT	600F0R5BT250XT	0.5	.1pF	1.08	.90	.57	4000	.264
581-600F0R6BT	600F0R6BT250XT	0.6	.1pF	1.08	.90	.57	500	.43
581-600F0R7AT	600F0R7AT250XT	0.7	.05pF	1.66	1.35	.96	500	.71
581-600F0R7BT	600F0R7BT250XT	0.7	.1pF	1.08	.90	.57	500	.43
581-600F0R9BT	600F0R9BT250XT	0.9	.1pF	1.14	.94	.60	500	.45
581-600F1R0AT	600F1R0AT250XT	1	.05pF	1.90	1.55	1.10	500	.81
581-600F1R0BT	600F1R0BT250XT	1	.1pF	1.14	.94	.60	4000	.278
581-600F1R1BT	600F1R1BT250XT	1.1	.1pF	1.14	.94	.60	500	.45
581-600F1R2AT	600F1R2AT250XT	1.2	.05pF	1.90	1.55	1.10	500	.81
581-600F1R2BT	600F1R2BT250XT	1.2	.1pF	1.14	.94	.60	500	.45
581-600F1R5AT	600F1R5AT250XT	1.5	.05pF	1.90	1.55	1.10	500	.81
581-600F1R5BT	600F1R5BT250XT	1.5	.1pF	1.14	.94	.60	4000	.278
581-600F1R8BT	600F1R8BT250XT	1.8	.1pF	1.31	1.09	.69	4000	.32
581-600F2R0AT	600F2R0AT250XT	2	.1pF	2.19	1.80	1.27	500	.94
581-600F2R2BT	600F2R2BT250XT	2.2	.1pF	1.31	1.09	.69	500	.52
581-600F2R4BT	600F2R4BT250XT	2.4	.1pF	1.31	1.09	.69	500	.52
581-600F2R7BT	600F2R7BT250XT	2.7	.1pF	1.31	1.09	.69	4000	.32
581-600F3R0BT	600F3R0BT250XT	3	.1pF	1.31	1.09	.69	500	.52
581-600F3R3BT	600F3R3BT250XT	3.3	.1pF	1.35	1.10	.78	4000	.36
581-600F3R3CT	600F3R3CT250XT	3.3	.25pF	1.11	.94	.55	500	.41
581-600F3R9BT	600F3R9BT250XT	3.9	.1pF	1.35	1.10	.78	4000	.36
581-600F3R9CT	600F3R9CT250XT	3.9	.25pF	1.11	.94	.55	500	.41
581-600F4R7BT	600F4R7BT250XT	4.7	.1pF	1.35	1.10	.78	500	.58

800 SERIES NPO CERAMIC, HIGH RF POWER ULTRA-LOW ESR MULTILAYER CAPACITORS

Features:

- Rugged, reliable NPO dielectric
- Case optimized for highest self resonant frequency
- Lowest ESR
- Capable of highest RF Power

Circuit Applications:

- High RF Power Filter Networks
- Combiners
- Couplers
- Matching Networks
- Output, Antenna coupling
- DC Blocking and Bypassing

Applications:

- UHF and Microwave Communications Systems
- Wireless communications
- Public safety radio
- Telecom
- WiMAX
- Satellite Systems

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ATC Part No.	Value (pF)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
				1	10	100		
Case Size 0505 - 250V								
581-800A100FT	800A100FT250XT	10	1%	4.32	3.84	3.36	4000	1.53
Case Size 1111 - 500V								
581-800B1R2BT	800B1R2BT500XT	1.2	.1pF	4.98	4.68	4.15	500	2.87
581-800B2R2BT	800B2R2BT500XT	2.2	.1pF	4.98	4.68	4.15	500	2.87
581-800B2R7BT	800B2R7BT500XT	2.7	.1pF	4.98	4.68	4.15	500	2.87
581-800B3R3BT	800B3R3BT500XT	3.3	.1pF	4.95	4.65	4.13	500	2.85
581-800B3R9BT	800B3R9BT500XT	3.9	.1pF	5.04	4.20	3.92	500	2.80
581-800B4R7BT	800B4R7BT500XT	4.7	.1pF	4.95	4.65	4.13	500	2.85
581-800B4R7CT	800B4R7CT500XT	4.7	.25pF	3.64	3.23	2.83	500	2.02

550 SERIES UBC ULTRA-BROADBAND CAPACITORS

Features:

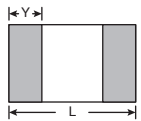
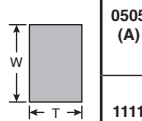
- Orientation Insensitive
- One Piece Construction
- Ultra low insertion loss
- Excellent return loss
- Unit to unit performance repeatability
- Rugged ceramic construction
- Operating temp. range: -55°C to +125°C

Applications:

- Optoelectronics/High speed data
- Transimpedance amplifiers
- Broadband test equipment
- Broadband microwave/millimeter wave

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ATC Part No.	Value (pF)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
				1	10	100		
0201 Case Size - 10V								
581-550Z103PTT	550Z103PTT	10	100%	7.79	6.73	6.49	500	4.49
0402 Case Size - 16V								
581-550L104KCA	550L104KCA	100	10%	8.58	8.02	6.92	500	4.98
581-550L104KTT	550L104KTT	100	10%	6.77	5.84	5.63	500	3.89

DIMENSIONS: in. (mm)		Case Size	Length (L)	Width (W)	Thickness (T)	Overlap (Y)
		0505 (A)	.055 ± .015, -.010 (1.40 ± 0.38, -0.25)	.055 ± .015 (1.40 ± 0.38)	0.57 max. (1.45 max.)	.010 ± .010, -.005 (0.25 ± 0.25, -0.13)
		1111 (B)	.110 ± .020, -.010 (2.79 ± 0.51, -0.25)	.110 ± .015 (2.79 ± 0.38)	.070 max. (1.78 max.)	.015 ± .010 (0.38 ± 0.25)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ATC Part No.	Value (pF)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
				1	10	100		
Case Size 1111 - 500V (Cont.)								
581-800B5R6BT	800B5R6BT500XT	5.6	.1pF	4.95	4.65	4.13	500	2.85
581-800B5R6CT	800B5R6CT500XT	5.6	.25pF	3.64	3.23	2.83	500	2.02
581-800B6R8BT	800B6R8BT500XT	6.8	.1pF	6.24	5.85	5.20	500	3.59
581-800B8R2BT	800B8R2BT500XT	8.2	.1pF	6.24	5.85	5.20	500	3.59
581-800B100JT	800B100JT500XT	10	5%	2.79	2.15	1.60	500	1.43
581-800B120JT	800B120JT500XT	12	5%	3.08	2.55	2.14	500	1.58
581-800B101JT	800B101JT500XT	100	5%	2.83	2.18	1.63	500	1.45
581-800B151JT	800B151JT500XT	150	5%	3.71	3.08	2.58	500	1.91