

ATC HP 1210 Series High Performance NPO Ceramic MLCs

Electrical Characteristics:

Capacitance Range: 1.0 pF to 1000 pF @ 1 MHz

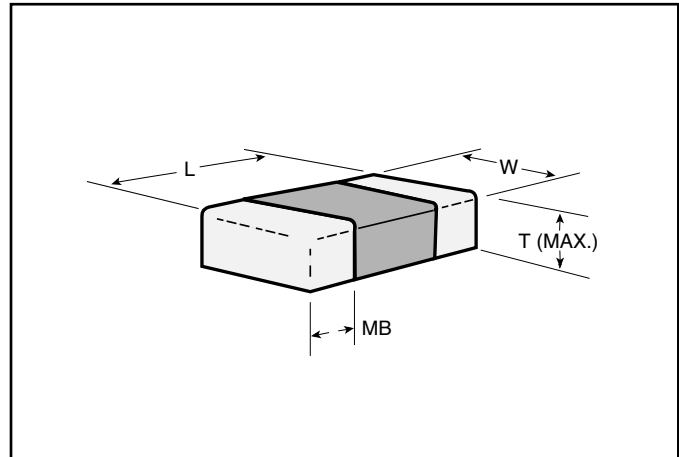
Temperature Coefficient of Capacitance: 0 ± 30 ppm/°C (-55° to +125°C)

Insulation Resistance (IR) $10^{12} \Omega$ min. @ 25°C and rated WVDC
 $10^{11} \Omega$ min. @ 125°C and rated WVDC

Dielectric Working Voltage (DWV): 250% of rated WVDC

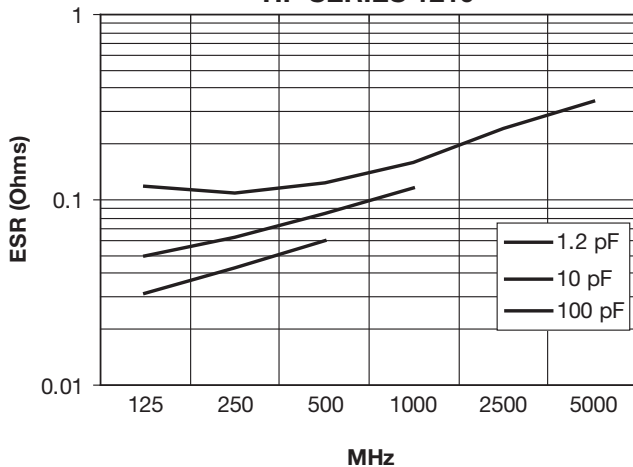
Working Voltage (WVDC) 200, 100 WVDC

ATC offers the new HP Series high performance family of MLC ceramic capacitors. Built in a rugged ceramic SMT package, these products deliver high performance at the right price. The HP series is available in four popular EIA case sizes and is suitable for tuning, DC blocking, coupling and bypassing over the full range of wireless frequencies. All HP Series products are RoHS compliant.

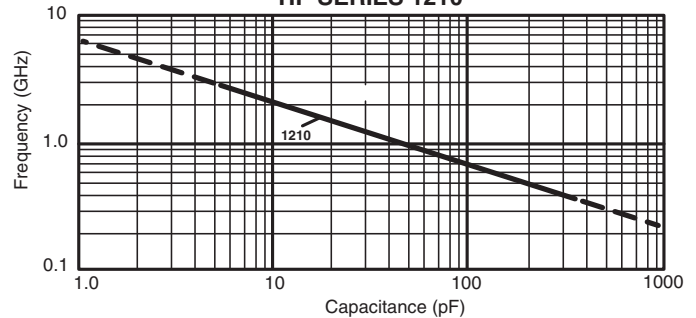


Case Size	1210
Length (L)	0.126 ± 0.008 (3.2 ±0.2)
Width (W)	0.098 ± 0.008 (2.49 ±0.2)
T Max.	0.050 ± 0.005 (1.27 ±0.127)
Term. (MB) Max.	0.025 ± 0.015 (0.635 ±0.381)

**TYPICAL ESR vs. FREQUENCY
HP SERIES 1210**



**TYPICAL SERIES RESONANT FREQUENCY
HP SERIES 1210**



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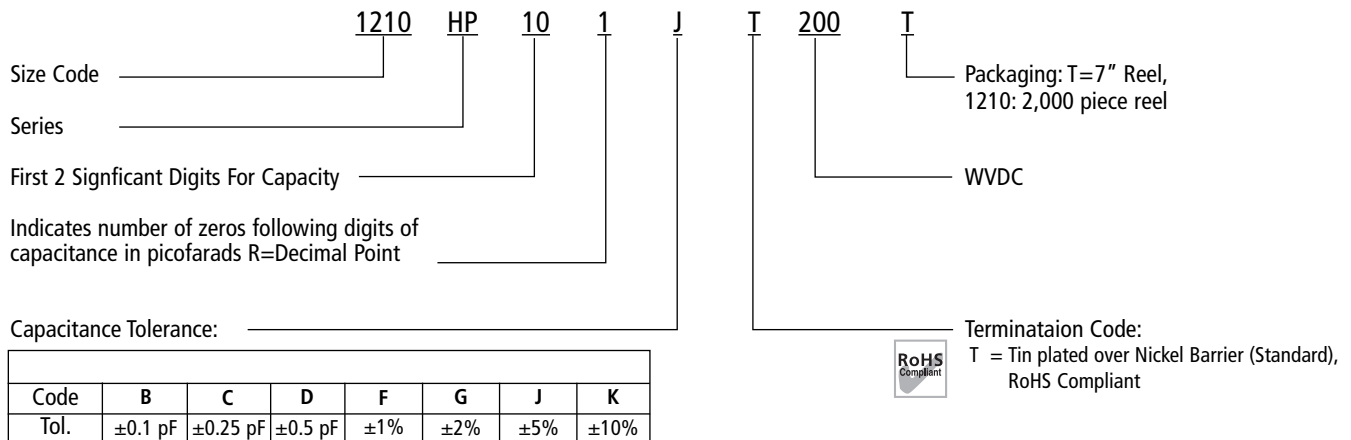
www.atceramics.com

ATC HP 1210 SERIES HIGH PERFORMANCE NPO CERAMIC MLCS

Capacitance Values:

CAP. CODE	CAP. (pF)	TOL.	RATED WVDC	CAP. CODE	CAP. (pF)	TOL.	RATED WVDC	CAP. CODE	CAP. (pF)	TOL.	RATED WVDC	CAP. CODE	CAP. (pF)	TOL.	RATED WVDC
1R0	1.0			4R3	4.3			300	30			181	180		
1R1	1.1			4R7	4.7			330	33			201	200		
1R2	1.2			5R1	5.1	B, C, D		360	36			221	220		
1R3	1.3			5R6	5.6			390	39			271	270		
1R4	1.4			6R2	6.2			430	43			301	300		200
1R5	1.5			6R8	6.8			470	47			331	330		
1R6	1.6			7R5	7.5	B, C		510	51			361	360		
1R7	1.7			8R2	8.2			560	56			391	390		
1R8	1.8			9R1	9.1			680	68			431	430		
1R9	1.9	B, C, D	200	100	10		200	750	75	F, G, J, K	200	471	470	F, G, J, K	
2R0	2.0			110	11			820	82			511	510		
2R1	2.1			120	12			910	91			561	560		
2R2	2.2			130	13			101	100			621	620		
2R4	2.4			150	15	F, G, J, K		111	110			681	680		100
2R7	2.7			180	18			121	120			751	750		
3R0	3.0			200	20			131	130			821	820		
3R3	3.3			220	22			141	140			911	910		
3R6	3.6			240	24			151	150			102	1000		
3R9	3.9			270	27			161	160						

Part Number Code



The above part number refers to an ATC HP 1210 Series 100 pF capacitor, F tolerance (±1%), 200 WVDC, with T termination (Tin Plated over Nickel Barrier), on 7 inch reel.

For additional information and catalogs contact your ATC representative or call direct at (+1-631) 622-4700. Consult factory for additional performance data.

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