ATC HP 0603 Series High Performance NPO Ceramic MLCs

Electrical Characteristics:

Capacitance Range: 1.0 pF to 120 pF @ 1 MHz

Temperature Coeffiecent $0 \pm 30 \text{ ppm/}^{\circ}\text{C}$ of Capacitance: $(-55^{\circ} \text{ to } +125^{\circ}\text{C})$

Insulation Resistance (IR) 1012 min. @ 25°C

and rated WVDC 10¹¹ min. @ 125°C and rated WVDC

Dielectric Working

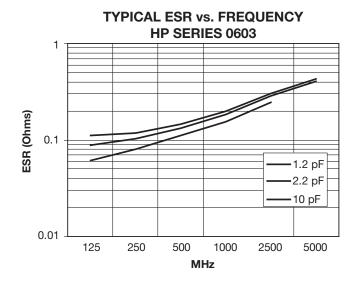
Voltage (DWV): 250% of rated WVDC

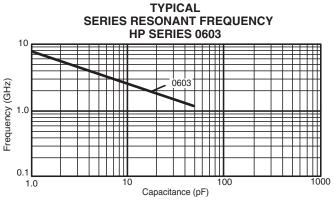
Working Voltage (WVDC) 250, 100, 50 WVDC

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.

T (MAX.)

Case Size	0603					
Length (L)	0.060 ±0.010 (1.52 ±0.25)					
Width (W)	0.030 ±0.010 (0.76 ±0.25)					
T Max.	0.036 (0.91)					
Term. (MB) Max.	0.010 ±0.005 (0.25 ±0.13)					





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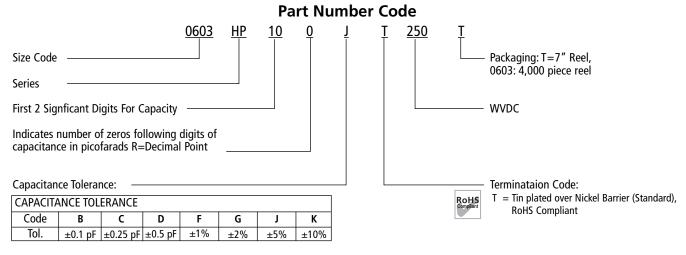
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Capacitance Values:

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			2R7	2.7			9R1	9.1	B, C		360	36			
1R1	1.1				3R0	3.0			100	10			390	39		
1R2	1.2			3R3	3.3			110	11			430	43		050	
1R3	1.3			3R6	3.6			120	12		250	470	47	F, G, J, K	250	
1R4	1.4			3R9	3.9			130	13			510	51			
1R5	1.5			4R3	4.3	B, C, D		150	15			560	56			
1R6	1.6	B, C, D	250	4R7	4.7		050	180	18			680	68			
1R7	1.7	р, С, D	250	5R1	5.1		250	200	20	F, G, J, K		750	75			
1R8	1.8				5R6	5.6			220	22	'`		820	82		100
1R9	1.9			6R2	6.2			240	24			910	91			
2R0	2.0			6R8	6.8			270	27			101	100			
2R1	2.1			7R5	7.5		Ī	300	30			111	110		50	
2R2	2.2			8R2	8.2	B, C		330	33			121	120		30	
2R4	2.4															



The above part number refers to an ATC HP 0603 Series 10 pF capacitor, J tolerance (±5%), 250 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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