ATC HP 0603 Series
High Performance
NPO Ceramic MLCs

Electrical Characteristics:
Capacitance Range: 1.0 pF to 120 pF @ 1 MHz
Temperature Coefficient of Capacitance: 0 ± 30 ppm/°C
(-55° to +125°C)
Insulation Resistance (IR) 10¹² Ω min. @ 25°C
and rated WVDC
10¹¹ Ω 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.
### Capacitance Values:

<table>
<thead>
<tr>
<th>CAP. CODE</th>
<th>CAP. (pF)</th>
<th>TOL.</th>
<th>RATED WVDC</th>
<th>CAP. CODE</th>
<th>CAP. (pF)</th>
<th>TOL.</th>
<th>RATED WVDC</th>
<th>CAP. CODE</th>
<th>CAP. (pF)</th>
<th>TOL.</th>
<th>RATED WVDC</th>
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<td>250</td>
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<td>2.7</td>
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<td>250</td>
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<tr>
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<td>B, C, D</td>
<td>3R0</td>
<td>3.0</td>
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<td>B, C, D</td>
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<td>11.0</td>
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### Part Number Code

- **Size Code**: 0603
- **HP**: HP
- **Series**: 10
- **T**: T
- **250**: 250 WVDC
- **Packaging**: T = 7" Reel, 0603: 4,000 piece reel
- **Termination Code**: F, G, J, K

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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**Capacitance Tolerance:**

<table>
<thead>
<tr>
<th>Code</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F</th>
<th>G</th>
<th>J</th>
<th>K</th>
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<td>Tol.</td>
<td>±0.1 pF</td>
<td>±0.25 pF</td>
<td>±0.5 pF</td>
<td>±1%</td>
<td>±2%</td>
<td>±5%</td>
<td>±10%</td>
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