### Multilayer Ceramic Chip Capacitors

**Commercial Grade, General (Up to 75V) / C0402 series (1/7)**

#### Circuit Diagram

![Circuit Diagram](image)

#### Circuit Parameters

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>C0402CG1C0R5C020BC</td>
<td>0.5</td>
<td>0.280</td>
<td>0.4940</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C0R5C020BC</td>
<td>0.5</td>
<td>0.280</td>
<td>0.4940</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C75C020BC</td>
<td>0.75</td>
<td>0.280</td>
<td>0.5123</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402C1C75C020BC</td>
<td>0.75</td>
<td>0.280</td>
<td>0.5123</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C10C020BC</td>
<td>1</td>
<td>0.280</td>
<td>0.5647</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C10C020BC</td>
<td>1</td>
<td>0.280</td>
<td>0.5647</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C15C020BC</td>
<td>1.5</td>
<td>0.280</td>
<td>0.5162</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C15C020BC</td>
<td>1.5</td>
<td>0.280</td>
<td>0.5162</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C20C020BC</td>
<td>2</td>
<td>0.280</td>
<td>0.4160</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C20C020BC</td>
<td>2</td>
<td>0.280</td>
<td>0.4160</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C21C020BC</td>
<td>2.2</td>
<td>0.280</td>
<td>0.3940</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C21C020BC</td>
<td>2.2</td>
<td>0.280</td>
<td>0.3940</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C30C020BC</td>
<td>3</td>
<td>0.280</td>
<td>0.3975</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C30C020BC</td>
<td>3</td>
<td>0.280</td>
<td>0.3975</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C33C020BC</td>
<td>3.3</td>
<td>0.280</td>
<td>0.3553</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C33C020BC</td>
<td>3.3</td>
<td>0.280</td>
<td>0.3553</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C40C020BC</td>
<td>4</td>
<td>0.280</td>
<td>0.3969</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C40C020BC</td>
<td>4</td>
<td>0.280</td>
<td>0.3969</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C47C020BC</td>
<td>4.7</td>
<td>0.280</td>
<td>0.3711</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C47C020BC</td>
<td>4.7</td>
<td>0.280</td>
<td>0.3711</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C50C020BC</td>
<td>5</td>
<td>0.280</td>
<td>0.2800</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C50C020BC</td>
<td>5</td>
<td>0.280</td>
<td>0.2800</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C60C020BC</td>
<td>6</td>
<td>0.280</td>
<td>0.3715</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C60D020BC</td>
<td>6</td>
<td>0.280</td>
<td>0.3715</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C68D020BC</td>
<td>6.8</td>
<td>0.280</td>
<td>0.3185</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C68D020BC</td>
<td>6.8</td>
<td>0.280</td>
<td>0.3185</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C70D020BC</td>
<td>7</td>
<td>0.280</td>
<td>0.3010</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C70D020BC</td>
<td>7</td>
<td>0.280</td>
<td>0.3010</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C80D020BC</td>
<td>8</td>
<td>0.280</td>
<td>0.3677</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C80D020BC</td>
<td>8</td>
<td>0.280</td>
<td>0.3677</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C90D020BC</td>
<td>9</td>
<td>0.280</td>
<td>0.3606</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C90D020BC</td>
<td>9</td>
<td>0.280</td>
<td>0.3606</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C100D020BC</td>
<td>10</td>
<td>0.280</td>
<td>0.3920</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C100D020BC</td>
<td>10</td>
<td>0.280</td>
<td>0.3920</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C120D020BC</td>
<td>12</td>
<td>0.280</td>
<td>0.2868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C120D020BC</td>
<td>12</td>
<td>0.280</td>
<td>0.2868</td>
<td>10.0</td>
</tr>
</tbody>
</table>

© TDK Corporation, 2020. All Rights Reserved.
Multilayer Ceramic Chip Capacitors

Commercial Grade, General (Up to 75V) / C0402 series (2/7)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>C1[pF]</th>
<th>L1[mH]</th>
<th>R1[Ω]</th>
<th>R2[Ω]</th>
</tr>
</thead>
<tbody>
<tr>
<td>C0402CH1C120J020BC</td>
<td>12</td>
<td>0.280</td>
<td>0.2868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C120K020BC</td>
<td>12</td>
<td>0.280</td>
<td>0.2868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C150J020BC</td>
<td>15</td>
<td>0.280</td>
<td>0.2664</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C150K020BC</td>
<td>15</td>
<td>0.280</td>
<td>0.2664</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C150J020BC</td>
<td>15</td>
<td>0.280</td>
<td>0.2664</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C180J020BC</td>
<td>18</td>
<td>0.280</td>
<td>0.2519</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C180K020BC</td>
<td>18</td>
<td>0.280</td>
<td>0.2519</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C180J020BC</td>
<td>18</td>
<td>0.280</td>
<td>0.2519</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C220J020BC</td>
<td>22</td>
<td>0.280</td>
<td>0.1965</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C220K020BC</td>
<td>22</td>
<td>0.280</td>
<td>0.1965</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C220J020BC</td>
<td>22</td>
<td>0.280</td>
<td>0.1965</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C270J020BC</td>
<td>27</td>
<td>0.280</td>
<td>0.1729</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C270K020BC</td>
<td>27</td>
<td>0.280</td>
<td>0.1729</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C270J020BC</td>
<td>27</td>
<td>0.280</td>
<td>0.1729</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C330J020BC</td>
<td>33</td>
<td>0.280</td>
<td>0.1673</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C330K020BC</td>
<td>33</td>
<td>0.280</td>
<td>0.1673</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C330J020BC</td>
<td>33</td>
<td>0.280</td>
<td>0.1673</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C330K020BC</td>
<td>33</td>
<td>0.280</td>
<td>0.1673</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C330J020BC</td>
<td>33</td>
<td>0.280</td>
<td>0.1673</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C330K020BC</td>
<td>33</td>
<td>0.280</td>
<td>0.1673</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C390J020BC</td>
<td>39</td>
<td>0.280</td>
<td>0.1819</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C390K020BC</td>
<td>39</td>
<td>0.280</td>
<td>0.1819</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C390J020BC</td>
<td>39</td>
<td>0.280</td>
<td>0.1819</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C390K020BC</td>
<td>39</td>
<td>0.280</td>
<td>0.1819</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C470J020BC</td>
<td>47</td>
<td>0.280</td>
<td>0.1506</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C470K020BC</td>
<td>47</td>
<td>0.280</td>
<td>0.1506</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C470J020BC</td>
<td>47</td>
<td>0.280</td>
<td>0.1506</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C560J020BC</td>
<td>56</td>
<td>0.280</td>
<td>0.1461</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C560K020BC</td>
<td>56</td>
<td>0.280</td>
<td>0.1461</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C560J020BC</td>
<td>56</td>
<td>0.280</td>
<td>0.1461</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C560K020BC</td>
<td>56</td>
<td>0.280</td>
<td>0.1461</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C680J020BC</td>
<td>68</td>
<td>0.280</td>
<td>0.1301</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C680K020BC</td>
<td>68</td>
<td>0.280</td>
<td>0.1301</td>
<td>10.0</td>
</tr>
</tbody>
</table>
TDK Equivalent Circuit Model Library

Multilayer Ceramic Chip Capacitors
Commercial Grade, General (Up to 75V) / C0402 series (3/7)

Circuit Diagram

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>C0402CH1C680J020BC</td>
<td>68</td>
<td>0.280</td>
<td>0.1301</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C680K020BC</td>
<td>68</td>
<td>0.280</td>
<td>0.1301</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C820J020BC</td>
<td>82</td>
<td>0.280</td>
<td>0.1209</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CG1C820K020BC</td>
<td>82</td>
<td>0.280</td>
<td>0.1209</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C820020BC</td>
<td>82</td>
<td>0.280</td>
<td>0.1209</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C820K020BC</td>
<td>82</td>
<td>0.280</td>
<td>0.1209</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CD1C101J020BC</td>
<td>100</td>
<td>0.280</td>
<td>0.1124</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CD1C101K020BC</td>
<td>100</td>
<td>0.280</td>
<td>0.1124</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C101J020BC</td>
<td>100</td>
<td>0.280</td>
<td>0.1124</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402CH1C101K020BC</td>
<td>100</td>
<td>0.280</td>
<td>0.1124</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402JB1C101K020BC</td>
<td>100</td>
<td>0.280</td>
<td>1.0868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402JB1C101M020BC</td>
<td>100</td>
<td>0.280</td>
<td>1.0868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X5R1C101K020BC</td>
<td>100</td>
<td>0.280</td>
<td>1.0868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X5R1C101M020BC</td>
<td>100</td>
<td>0.280</td>
<td>1.0868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S1A101K020BC</td>
<td>100</td>
<td>0.280</td>
<td>1.0868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S1A101M020BC</td>
<td>100</td>
<td>0.280</td>
<td>1.0868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0J101K020BC</td>
<td>100</td>
<td>0.280</td>
<td>1.0868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0J101M020BC</td>
<td>100</td>
<td>0.280</td>
<td>1.0868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0G101K020BC</td>
<td>100</td>
<td>0.280</td>
<td>1.0868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0G101M020BC</td>
<td>100</td>
<td>0.280</td>
<td>1.0868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R1A101K020BC</td>
<td>100</td>
<td>0.280</td>
<td>1.0868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R1A101M020BC</td>
<td>100</td>
<td>0.280</td>
<td>1.0868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0J101K020BC</td>
<td>100</td>
<td>0.280</td>
<td>1.0868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0J101M020BC</td>
<td>100</td>
<td>0.280</td>
<td>1.0868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0G101K020BC</td>
<td>100</td>
<td>0.280</td>
<td>1.0868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0G101M020BC</td>
<td>100</td>
<td>0.280</td>
<td>1.0868</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402JB1C151K020BC</td>
<td>150</td>
<td>0.280</td>
<td>0.8682</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402JB1C151M020BC</td>
<td>150</td>
<td>0.280</td>
<td>0.8682</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X5R1C151K020BC</td>
<td>150</td>
<td>0.280</td>
<td>0.8682</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X5R1C151M020BC</td>
<td>150</td>
<td>0.280</td>
<td>0.8682</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S1A151K020BC</td>
<td>150</td>
<td>0.280</td>
<td>0.8682</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S1A151M020BC</td>
<td>150</td>
<td>0.280</td>
<td>0.8682</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0J151K020BC</td>
<td>150</td>
<td>0.280</td>
<td>0.8682</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0J151M020BC</td>
<td>150</td>
<td>0.280</td>
<td>0.8682</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0G151K020BC</td>
<td>150</td>
<td>0.280</td>
<td>0.8682</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0G151M020BC</td>
<td>150</td>
<td>0.280</td>
<td>0.8682</td>
<td>10.0</td>
</tr>
</tbody>
</table>

© TDK Corporation, 2020. All Rights Reserved.
Multilayer Ceramic Chip Capacitors
Commercial Grade, General (Up to 75V) / C0402 series (4/7)

Circuit Diagram

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>C0402X7R1A151K020BC</td>
<td>150</td>
<td>0.280</td>
<td>0.8682</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R1A151M020BC</td>
<td>150</td>
<td>0.280</td>
<td>0.8682</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0J151K020BC</td>
<td>150</td>
<td>0.280</td>
<td>0.8682</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0J151M020BC</td>
<td>150</td>
<td>0.280</td>
<td>0.8682</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0G151K020BC</td>
<td>150</td>
<td>0.280</td>
<td>0.8682</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0G151M020BC</td>
<td>150</td>
<td>0.280</td>
<td>0.8682</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402J1C221K020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402J1C221M020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X5R1C221K020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X5R1C221M020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S1A221K020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S1A221M020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S1A221K020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S1A221M020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S1A331K020BC</td>
<td>330</td>
<td>0.280</td>
<td>0.5833</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S1A331M020BC</td>
<td>330</td>
<td>0.280</td>
<td>0.5833</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0J331K020BC</td>
<td>330</td>
<td>0.280</td>
<td>0.5833</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0J331M020BC</td>
<td>330</td>
<td>0.280</td>
<td>0.5833</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R1A221K020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R1A221M020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0J221K020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0J221M020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0G221K020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0G221M020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0G221K020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0G221M020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0G221K020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0G221M020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0G221K020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0G221M020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0G221K020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0G221M020BC</td>
<td>220</td>
<td>0.280</td>
<td>0.7779</td>
<td>10.0</td>
</tr>
</tbody>
</table>

© TDK Corporation, 2020. All Rights Reserved.
Multilayer Ceramic Chip Capacitors
Commercial Grade, General (Up to 75V) / C0402 series (5/7)

Circuit Parameters

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>C0402X7R0G331K020BC</td>
<td>330</td>
<td>0.280</td>
<td>0.5833</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0G331M020BC</td>
<td>330</td>
<td>0.280</td>
<td>0.5833</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402JB1C471K020BC</td>
<td>470</td>
<td>0.280</td>
<td>0.4734</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402JB1C471M020BC</td>
<td>470</td>
<td>0.280</td>
<td>0.4734</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X5R1C471K020BC</td>
<td>470</td>
<td>0.280</td>
<td>0.4734</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X5R1C471M020BC</td>
<td>470</td>
<td>0.280</td>
<td>0.4734</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S1A471K020BC</td>
<td>470</td>
<td>0.280</td>
<td>0.4734</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S1A471M020BC</td>
<td>470</td>
<td>0.280</td>
<td>0.4734</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0J471K020BC</td>
<td>470</td>
<td>0.280</td>
<td>0.4734</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0J471M020BC</td>
<td>470</td>
<td>0.280</td>
<td>0.4734</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0G471K020BC</td>
<td>470</td>
<td>0.280</td>
<td>0.4734</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0G471M020BC</td>
<td>470</td>
<td>0.280</td>
<td>0.4734</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402JB1C681K020BC</td>
<td>680</td>
<td>0.280</td>
<td>0.4296</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402JB1C681M020BC</td>
<td>680</td>
<td>0.280</td>
<td>0.4296</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X5R1C681K020BC</td>
<td>680</td>
<td>0.280</td>
<td>0.4296</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X5R1C681M020BC</td>
<td>680</td>
<td>0.280</td>
<td>0.4296</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S1A681K020BC</td>
<td>680</td>
<td>0.280</td>
<td>0.4296</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S1A681M020BC</td>
<td>680</td>
<td>0.280</td>
<td>0.4296</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0J681K020BC</td>
<td>680</td>
<td>0.280</td>
<td>0.4296</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0J681M020BC</td>
<td>680</td>
<td>0.280</td>
<td>0.4296</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0G681K020BC</td>
<td>680</td>
<td>0.280</td>
<td>0.4296</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X6S0G681M020BC</td>
<td>680</td>
<td>0.280</td>
<td>0.4296</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0A102K020BC</td>
<td>1,000</td>
<td>0.280</td>
<td>0.3885</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X7R0A102M020BC</td>
<td>1,000</td>
<td>0.280</td>
<td>0.3885</td>
<td>10.0</td>
</tr>
</tbody>
</table>

© TDK Corporation, 2020. All Rights Reserved.
Multilayer Ceramic Chip Capacitors
Commercial Grade, General (Up to 75V) / C0402 series (6/7)

---------|--------|--------|---------|----------|
C0402JB0J102K020BC | 1,000 | 0.280 | 0.3885 | 10.0 |
C0402JB0J102M020BC | 1,000 | 0.280 | 0.3885 | 10.0 |
C0402JB0G102K020BC | 1,000 | 0.280 | 0.3885 | 10.0 |
C0402JB0G102M020BC | 1,000 | 0.280 | 0.3885 | 10.0 |
C0402X5R1A102K020BC | 1,000 | 0.280 | 0.3885 | 10.0 |
C0402X5R1A102M020BC | 1,000 | 0.280 | 0.3885 | 10.0 |
C0402X5R0J102K020BC | 1,000 | 0.280 | 0.3885 | 10.0 |
C0402X5R0J102M020BC | 1,000 | 0.280 | 0.3885 | 10.0 |
C0402X5R0G102K020BC | 1,000 | 0.280 | 0.3885 | 10.0 |
C0402X5R0G102M020BC | 1,000 | 0.280 | 0.3885 | 10.0 |
C0402X7R1A102K020BC | 1,000 | 0.280 | 0.3885 | 10.0 |
C0402X7R1A102M020BC | 1,000 | 0.280 | 0.3885 | 10.0 |
C0402JB1A152K020BC | 1,500 | 0.280 | 0.2239 | 10.0 |
C0402JB1A152M020BC | 1,500 | 0.280 | 0.2239 | 10.0 |
C0402JB0J152K020BC | 1,500 | 0.280 | 0.2239 | 10.0 |
C0402JB0J152M020BC | 1,500 | 0.280 | 0.2239 | 10.0 |
C0402JB0G152K020BC | 1,500 | 0.280 | 0.2239 | 10.0 |
C0402JB0G152M020BC | 1,500 | 0.280 | 0.2239 | 10.0 |
C0402X5R1A152K020BC | 1,500 | 0.280 | 0.2239 | 10.0 |
C0402X5R1A152M020BC | 1,500 | 0.280 | 0.2239 | 10.0 |
C0402X5R0J152K020BC | 1,500 | 0.280 | 0.2239 | 10.0 |
C0402X5R0J152M020BC | 1,500 | 0.280 | 0.2239 | 10.0 |
C0402X5R0G152K020BC | 1,500 | 0.280 | 0.2239 | 10.0 |
C0402X5R0G152M020BC | 1,500 | 0.280 | 0.2239 | 10.0 |
C0402X7R1A152K020BC | 1,500 | 0.280 | 0.2239 | 10.0 |
C0402X7R1A152M020BC | 1,500 | 0.280 | 0.2239 | 10.0 |
C0402JB1A222K020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402JB1A222M020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402JB0222K020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402JB0222M020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402JB0G222K020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402JB0G222M020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R1A222K020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R1A222M020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R0J222K020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R0J222M020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R0G222K020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R0G222M020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R0J222K020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R0J222M020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R0G222K020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R0G222M020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R0J222K020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R0J222M020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R0G222K020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R0G222M020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R0J222K020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R0J222M020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R0G222K020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
C0402X5R0G222M020BC | 2,200 | 0.280 | 0.1848 | 10.0 |
Multilayer Ceramic Chip Capacitors
Commercial Grade, General (Up to 75V) / C0402 series (7/7)

Circuit Diagram

Circuit Parameters

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>C0402X5R0G222K020BC</td>
<td>2,200</td>
<td>0.280</td>
<td>0.1848</td>
<td>10.0</td>
</tr>
<tr>
<td>C0402X5R0G222M020BC</td>
<td>2,200</td>
<td>0.280</td>
<td>0.1848</td>
<td>10.0</td>
</tr>
</tbody>
</table>