1. SCOPE
This specification covers the characteristics of size 4540, NPO dielectric, 400 pF capacitance, +/- 10% tolerance, 9000 VDC rated conformal (epoxy) coated ceramic chip capacitors with radial leads.

2. DIELECTRIC CHARACTERISTICS
- Operating Temperature Range: -55°C to +125°C
- Temperature Coefficient: 0 +/- 30 ppm/°C
- Dissipation Factor: 0.1% Max. @ 25°C
- Insulation Resistance, 25°C: 100 Giga-Ohms or 1000 Ohm-Farads, whichever is less
- Insulation Resistance, 125°C: 10 Giga-Ohms or 100 Ohm-Farads, whichever is less
- Dielectric Withstanding Voltage: 10800 VDC
- Aging Rate: 0% per decade
- Test Parameters: 1KHz, 1.0 Volts +/- 0.2 Vrms, 25°C

3. PHYSICAL DIMENSIONS (NOT SCALED)

<table>
<thead>
<tr>
<th>Dimension</th>
<th>W</th>
<th>H</th>
<th>X</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>inches (mm)</td>
<td>.600</td>
<td>.550</td>
<td>.350</td>
<td>.480</td>
</tr>
<tr>
<td>+/- in (mm)</td>
<td>max</td>
<td>max</td>
<td>max</td>
<td>.030</td>
</tr>
</tbody>
</table>

Marking: Parts marked with capacitance code, tolerance, and voltage.

LEADS ARE 22 AWG(.025” Diam.)
TINNED COPPER

LEAD THICKNESS = .010” +/- .002”
LEAD WIDTH = .020” +/- .002”

4. PART NUMBER DESCRIPTION

4540 N 401 K 902 LE X H

4540 = Size
N = NPO Dielectric
401 = Capacitance Code (pF): First two digits are significant, third digit denotes number of zeros
K = Capacitance tolerance: K = +/- 10%
902 = DC Voltage Rating: First two digits are significant, third digit denotes number of zeros
LE = Radial Lead, Conformal Coating
X = Overall Thickness: .350” Max. (8.89mm Max.)
H = High Reliability Testing

REVISION: A

NOVACAP P/N: 4540N401K902LEXH
CUSTOMER: NATIONAL INST. OF NUCLEAR PHYSICS
CUST. P/N:

SPEC DESIGNER ___________ MK 6/21/04
SPEC MANAGER ___________ BN 6/21/04
ENGINEERING ___________ BN FOR ED 6/21/04

06/21/2004