Product Description and Application

- XR6337 red nitride phosphor is a unique composition designed for high power LEDs with high junction temperature, such as 1-10W packages or high power arrays.
- XR6337 phosphor maintains the consistent brightness and color required for products with long lifetimes even under high luminous flux, such as lighting or larger area displays.
- While the performance is uniquely robust, XR6337 phosphor is perfectly compatible is blends with Intematix yellow and green phosphors to produce high CRI white light.

*Intematix phosphor compositions are protected by numerous US and world wide patents*

### Material Specification:

<table>
<thead>
<tr>
<th>Materials</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Nitride</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>3.1 g/cm³</td>
</tr>
<tr>
<td>Particle Size</td>
<td>D50V ~ 15.0 μm</td>
</tr>
<tr>
<td>CIE (1931)</td>
<td>x=0.628, y=0.371</td>
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<tr>
<td>Emission Peak</td>
<td>618 nm</td>
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<tr>
<td>Excitation Range</td>
<td>200nm to 610 nm</td>
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</table>

For more information about Intematix phosphors please contact your local sales representative.