### SPECIFICATIONS

<table>
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<th>MODEL</th>
<th>FREQUENCY RANGE</th>
<th>FREQUENCY RESPONSE</th>
<th>MAXIMUM VSWR</th>
<th>OUTPUT CONNECTOR</th>
<th>DIMENSIONS</th>
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<tbody>
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<td>210A</td>
<td>100 MHz - 18.5 GHz</td>
<td>±0.3 dB to 12.4 GHz ±0.6 dB to 18.5 GHz</td>
<td>1.15 to 4 GHz 1.3 to 15 GHz 1.4 to 18.5 GHz</td>
<td>SMA Female</td>
<td>2.24 in. x 0.83 in. dia.</td>
</tr>
<tr>
<td>210B</td>
<td>100 MHz - 18.5 GHz</td>
<td>±0.3 dB to 12.4 GHz ±0.6 dB to 18.5 GHz</td>
<td>1.15 to 4 GHz 1.3 to 15 GHz 1.4 to 18.5 GHz</td>
<td>BNC Female</td>
<td>2.51 in. x 0.83 in. dia.</td>
</tr>
<tr>
<td>210S</td>
<td>100 MHz - 18.5 GHz</td>
<td>±0.3 dB to 12.4 GHz ±0.6 dB to 18.5 GHz</td>
<td>1.15 to 4 GHz 1.3 to 15 GHz 1.4 to 18.5 GHz</td>
<td>SMC Jack</td>
<td>2.33 in. x 0.83 in. dia.</td>
</tr>
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- **Low Level Sensitivity**: 0.4 mV/μW
- **Output Capacitance**: 3 pF
- **Maximum Input**: 200 mW
- **Operating Temperature**: -54º to +100º C
- **Output Polarity**: Negative
- **For positive output, add “P” to end of Model Number.**
- **Input Connectors**: N Male
PLANAR DOPED BARRIER DETECTORS

TYPICAL OUTPUT VOLTAGE vs. INPUT POWER CURVES FOR VARIOUS $R_L/R_V$ RATIOS at $T_a=20^\circ C$

![Graph showing output voltage vs. input power for various $R_L/R_V$ ratios at $T_a=20^\circ C$.]

TYPICAL LOW LEVEL ($P_{in} \leq -20$ dBm) OUTPUT RESPONSE vs. TEMPERATURE CURVES FOR VARIOUS $R_L/R_V$ RATIOS

![Graph showing detector output vs. temperature for various $R_L/R_V$ ratios at $T_a=20^\circ C$.]

Curves are normalized to $R_L=\infty$ and $T_a=20^\circ C$, $R_V$ corresponds to the load that drops the open circuit output voltage in half (3dB) at 20°C.