$ Saver Product Line

- 40 dB QMA Monitor Tap
- 7-16 DIN or N (m-f) through ports
- Low specified PIM
- 500/300 W Avg Power Rating
- Minimal RF Insertion Loss
- RoHS compliant
- High Reliability, IP65

Microlab DN-99 Tappers allow monitoring of Tx signals with minimal reflections or loss over the wireless bands in the range 698 - 2,700 MHz. The -40 dB QMA monitor port permits test signal access with minimal insertion loss.

The lightweight design allows easy attachment to an in-line circuit. Economically designed while providing optimum PIM and RF performance.  (12/14)

### Specifications:
- **Frequency:** 698 - 2,700 MHz
- **Coupling:**
  - 40 ±3/-1 dB (698 - 800 MHz)
  - 40 ±2 dB (800 - 2700 MHz)
- **Insertion Loss:** <0.2 dB
- **Return Loss:** >23 dB
- **Peak Power:** 3 kW
- **Impedance:** 50Ω nominal
- **Intermod. (PIM):** <-160 dBc @ 2 x 20W
- **Environment:** IP65, -35°C to +85°C
- **Monitor Port:** QMA (f)
- **Housing Finish:** Passivated Aluminum
- **Weight, nom:** 7.1 oz (200 g)

<table>
<thead>
<tr>
<th>Model #</th>
<th>Connectors (Main Line)</th>
<th>Power Rating (CW Avg.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN-99DQ</td>
<td>7-16 DIN (m-f)</td>
<td>500 W</td>
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<tr>
<td>DN-99NQ</td>
<td>N-type (m-f)</td>
<td>300 W</td>
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</tbody>
</table>

**DN-99NQ Outline**

![DN-99NQ Outline Diagram]
DN-99DQ Outline

Dimension in inches [mm]