$ Saver Product Line

- 20 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-89 Tappers allow monitoring of Tx signals with minimal reflections or loss over the wireless bands in the range 698 - 2,700 MHz. The -20 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. (5/15)

<table>
<thead>
<tr>
<th>Model #</th>
<th>Connectors (Main Line)</th>
<th>Power Rating (CW Avg.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN-89DQ</td>
<td>7-16 DIN (m-f)</td>
<td>500 W</td>
</tr>
<tr>
<td>DN-89NQ</td>
<td>N-type (m-f)</td>
<td>300 W</td>
</tr>
</tbody>
</table>

**Specifications:**
- Frequency: 698 - 2,700 MHz
- Coupling: 20 +3/-1 dB (698 - 800 MHz) 20 ±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)
DN-89DQ Outline