General Microwave designs and manufactures a variety of customized Data Link modules and sub-systems, from small and low cost to complex, high end and high power. Typical applications of General Microwave Data Links are UAV, Mini-UAV, Missiles, Smart/Precision Guided Munition, Network Centric Warfare (NCW) and other systems that require wireless connectivity.

General Microwave provides state-of-the-art Microwave Technology, Mixed Signal Processing, System On Chip (SOC) devices, High Power Amplifiers, FPGA and other Digital Technologies. Most of the designs are SMT based unless there is a technical argumentation for chip & wire.

**DATA LINK - Types**

<table>
<thead>
<tr>
<th></th>
<th>Type A</th>
<th>Type B</th>
<th>Type C</th>
<th>Type D</th>
<th>Type E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tx Power (W)</td>
<td>100</td>
<td>100</td>
<td>Rx Only</td>
<td>100mW</td>
<td>1mW</td>
</tr>
<tr>
<td>Operation Mode</td>
<td>Pulse</td>
<td>Pulse</td>
<td>NA</td>
<td>CW</td>
<td>NA</td>
</tr>
<tr>
<td>Modulation</td>
<td>BPSK/QPSK</td>
<td>QPSK</td>
<td>NA</td>
<td>BPSK/QPSK</td>
<td>QPSK</td>
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<tr>
<td>Duty Cycle</td>
<td>3%</td>
<td>5%</td>
<td>20%</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Typical Application</td>
<td>Surface to Air Missile</td>
<td>Surface to Air Missile</td>
<td>Surface to Air Missile</td>
<td>Tactical Com &amp; GPS Rx</td>
<td>Smart Munitions</td>
</tr>
<tr>
<td>Frequency Band</td>
<td>L</td>
<td>L</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Bandwidth</td>
<td>200MHz</td>
<td>200MHz</td>
<td>20MHz</td>
<td>500MHz</td>
<td>500MHz</td>
</tr>
<tr>
<td>Bit Rate (Tx/Rx)</td>
<td>10/5 Mbps</td>
<td>1.25 Mbps</td>
<td>5 Mbps</td>
<td>5 Mbps</td>
<td>5 Mbps</td>
</tr>
</tbody>
</table>
• Vast experience offering a variety of Data Links for diversified applications
• Reliable and meticulous design: From small, simple and low power to complex, high end and high power
• User defined outline
• Designed for harsh environments
• Microwave and DSP embedded
• Unconditional commitment to quality and reliability
• Form Fit Function for obsolesce or price reduction

ABOUT GENERAL MICROWAVE

A recognized worldwide leader in the design and manufacture of high performance, state-of-the-art microwave components and subassemblies for the defense and non-defense markets with over 30 years of proven experience.

General Microwave products are used in a variety of demanding environments, including missiles, airborne, ground and naval systems.

In addition to the Data Link products General Microwave is offering a range of Broadband Synthesizers and Solid State Power Amplifiers (SSPAs), Integrated Microwave Assemblies (IMAs), Sub-Systems and Control Components. To support various military and non-military systems.

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