



## Radial Power Combiners / Dividers

Ciao Wireless is a technical solutions provider to the Space and Hi-Rel Defense industry. Included in its broad Integrated Products line are Radial Power Dividers / Combiners designed for high-power military ground-based, transportable, and shipboard Radar system applications. Our innovative design techniques minimize the traditional size and weight of these assemblies. Within this product an isolated waveguide input signal is equally divided and routed to a number of coaxial output ports, or conversely, a number of identical coaxial inputs can be combined into a single high-power waveguide output signal. Designed for rugged field applications, these products are environmentally screened and tested to meet the most demanding customer requirements.



Product Examples:

<u>S-Band 50:1</u>		<u>X-Band 68:1</u>	
<b>Bandwidth:</b>	<b>200 MHz</b>	<b>Bandwidth:</b>	<b>700 MHz</b>
<b>Input Power:</b>		<b>Input Power:</b>	
- Divider:	<b>600 W peak 700 W peak</b>	- Divider:	<b>6 W (CW)</b>
- Combiner:	<b>(up to 30KW output)</b>	- Combiner:	<b>45 W (CW)</b>
<b>Insertion Loss:</b>	<b>0.25 dB</b>	<b>Insertion Loss:</b>	<b>0.35 dB</b>
<b>Return Loss:</b>	<b>19.0 dB</b>	<b>Return Loss:</b>	<b>14.0 dB</b>
<b>Phase Balance:</b>	<b>≤ 5 ° RMS</b>	<b>Phase Balance:</b>	<b>≤ 3.5 ° RMS</b>

How to contact us

For more information please visit our website <http://www.ciaowireless.com/> or contact our factory Sales and Marketing team at (805) 389-3224. We may also be reached by facsimile at (805) 389-3629 or email [Sales@CiaoWireless.com](mailto:Sales@CiaoWireless.com).