

This data sheet replaces information that at one time had been available in the accessories catalog, but currently has been deleted due to space limitations.



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MODELS PC1000
 PC2000
 PC3025
 PC3150

Etzel

The Models P1000, PC2000, PC3025 and PC3150 combiner/dividers may be used either as power combiners or as dividers for general RF testing. They either combine the signals from four amplifiers or divide the signal from a single amplifier into four outputs. The units are typically selected on the basis of frequency response and power handling capability.

Specifications
Models PC1000, PC2000, PC3025 and PC3150

<i>Frequency Range (MHz)</i>	<i>PC1000</i>		<i>PC2000</i>	<i>PC3025¹</i>	<i>PC3150²</i>
	<i>at 2-500</i>	<i>at 1-1000</i>	<i>1-1000</i>	<i>100-1000</i>	<i>100-1000</i>
<i>Insertion loss (dB)</i>					
<i>Typical</i>	<i>0.6</i>	<i>0.8</i>	<i>0.6</i>	<i>0.5</i>	
<i>Minimum</i>	<i>0.8</i>	<i>1.2</i>	<i>1.0</i>	<i>0.7</i>	<i>0.6</i>
<i>Coupling (dB)</i>	<i>-6</i>	<i>-6</i>	<i>-6</i>	<i>-6</i>	<i>-6</i>
<i>Power (watts) at combined port</i>	<i>25</i>	<i>15</i>	<i>100</i>	<i>25</i>	<i>150</i>
<i>Isolation (dB)</i>					
<i>Typical</i>	<i>30</i>	<i>25</i>	<i>25</i>	<i>25</i>	
<i>Minimum</i>	<i>25</i>	<i>20</i>	<i>20</i>	<i>20</i>	<i>20</i>
<i>Impedance (ohms) all ports</i>	<i>50</i>	<i>50</i>	<i>50</i>	<i>50</i>	<i>50</i>
<i>VSWR (max at all ports)</i>	<i>1.3:1</i>	<i>1.5:1</i>	<i>1.5:1</i>	<i>1.5:1</i>	<i>1.5:1</i>
<i>Phase unbalance (degrees maximum)</i>	<i>4</i>	<i>6</i>	<i>6</i>	<i>6</i>	<i>6</i>
<i>Connectors</i>					
<i>Combined port</i>	<i>SMA female</i>		<i>N female</i>	<i>SMA female</i>	<i>N female</i>
<i>Divided ports</i>	<i>SMA female</i>		<i>SMA female</i>	<i>SMA female</i>	<i>SMA female</i>
<i>Size (cm. / in.)</i>					
<i>Width</i>	<i>5.1/2.0</i>		<i>12.7/5.0</i>	<i>5.1/2.0</i>	<i>12.7/5.0</i>
<i>Height</i>	<i>5.1/2.0</i>		<i>5.9/2.3</i>	<i>5.1/2.0</i>	<i>8.3/3.25</i>
<i>Depth</i>	<i>12.7/5.0</i>		<i>15.3/6.0</i>	<i>12.7/5.0</i>	<i>15.2/6.0</i>

¹ *Various connector placements*

² *Fan cooled 120 VAC, 4W*

Additional configurations are available upon request

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