


Part No. 1P620

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Part No.	1P620
Description	<a href="#">Pico Xinger 20dB Directional Coupler</a>
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Manufacturer	ANAREN [Anaren Microwave]
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## Model 1P620

Rev. B

### Pico Xinger 20dB Directional Coupler

**Description**

The 1P620 Pico Xinger is a low profile, miniature 20dB directional coupler in an easy to use surface mount package designed for MMDS and WLAN applications. The 1P620 is for power and frequency detection as well as power injection. The 1P620 is an ideal solution for the ever-increasing demands of the wireless industry for smaller printed circuit boards and high performance. Parts have been subjected to rigorous qualification testing and units are 100% tested. They are manufactured using materials with x and y thermal expansion coefficients compatible with common substrates. Available in both 5 of 6 tin lead (1P620) and 6 of 6 RoHS compliant tin immersion (1P620S).

**Features:**

- 2.3 – 2.7 GHz
- MMDS and WLAN
- Very Low Loss
- High Directivity
- Surface Mountable
- Tape And Reel
- Available in Lead-Free (as illustrated) or Tin-Lead

**ELECTRICAL SPECIFICATIONS\*\***

Frequency	Mean Coupling	Insertion Loss	VSWR	Freq. Sensitivity
GHz	dB	dB Max	Max : 1	dB Max
2.3 – 2.7	20 ± 0.75	0.25	1.22	± 0.2
Directivity	Power Handling	ΘJC	Operating Temp.	
dB Min	Watts	°C / Watt	°C	
20	25	35	-55 to +85	

\*\*Specification based on performance of unit properly installed on microstrip printed circuit boards with 50 Ω nominal impedance. Specifications subject to change without notice.

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<a href="#">1P510</a>	<a href="#">PICO XINGER 10dB DIRECTIONAL COUPLER</a>	<a href="#">1</a> <a href="#">2</a> <a href="#">3</a> <a href="#">4</a>	Anaren Microwave
<a href="#">1M710</a>	<a href="#">Micro Xinger 10dB Directional Coupler</a>	<a href="#">1</a> <a href="#">2</a> <a href="#">3</a>	Anaren Microwave
<a href="#">1P510S</a>	<a href="#">Pico Xinger 10dB Directional Coupler</a>	<a href="#">1</a> <a href="#">2</a> <a href="#">3</a> <a href="#">4</a>	Anaren Microwave
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