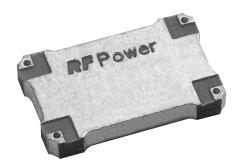


# Model S20A888N1

# Directional Couplers





### **Description**

The S20A888N1 is a low profile 20 dB directional coupler in an easy to use surface mount package covering AMPS, GSM and EDGE applications. The S20A888N1 is ideal for power and frequency detection as well as VSWR monitoring and can be used in most high power designs. Parts have been run through rigorous qualifications and units are 100% tested. They are manufactured using materials with X and Y thermal expansion coefficients compatible with common substrates.

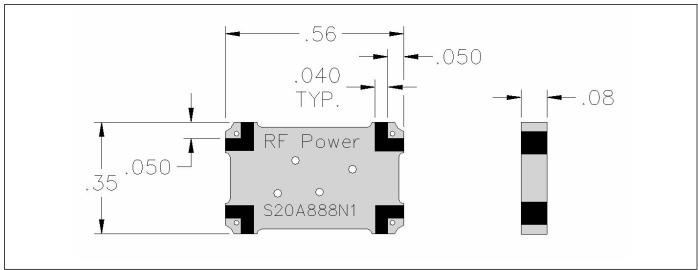
#### **Features**

- 815 960 MHz
- 100 Watts
- Low Loss
- High Directivity
- Surface Mountable
- Tape and Reel
- Convenient Package
- 100% Tested

Electrical Specifications					
Frequency <i>MHz</i>	Mean Coupling <i>dB</i>	Insert. Loss dB Max	VSWR <i>Max:</i> 1		
815 - 960	20.5 ± 1.5	0.20	1.25		
Freq. Sens. dB Max	Directivity dB Min	Temp. <i>°C</i>	Power  Avg. CW Watts		
±0.20	20	-55 to +85	100		

Specifications subject to change without notice.

### **Outline Drawing**



VER. 2/7/02



Available on Tape and Reel for Pick and Place Manufacturing.

Sales Desk USA: Voice: (800) 544-2414 Fax: (315) 432-9121 Sales Desk Europe: Voice: (+44) 23 92 232392 Fax: (+44) 23 92 251369



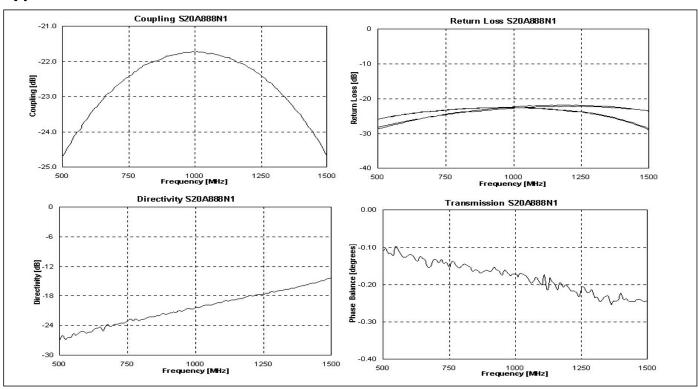
# Model S20A888N1



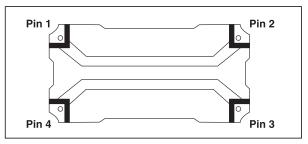
#### www.anaren.com



### **Typical Performance**

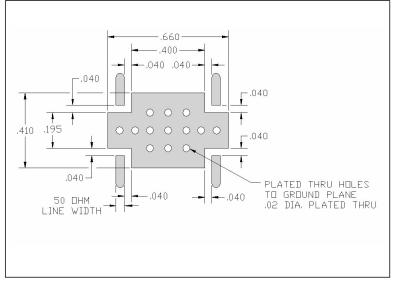


### **Pin Configuration**



	Pin 1	Pin 2	Pin 3	Pin 4
#1	Input	Output	Isolated	Coupled
#2	Output	Input	Coupled	Isolated
#3	Isolated	Coupled	Input	Output
#4	Coupled	Isolated	Output	Input

### **Mounting Footprint**



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