

### Directional Couplers In-Line Style

#### Applications

- Subassemblies
- Lab Systems
- Leveling Loops
- Power Monitoring
- Test and Calibration

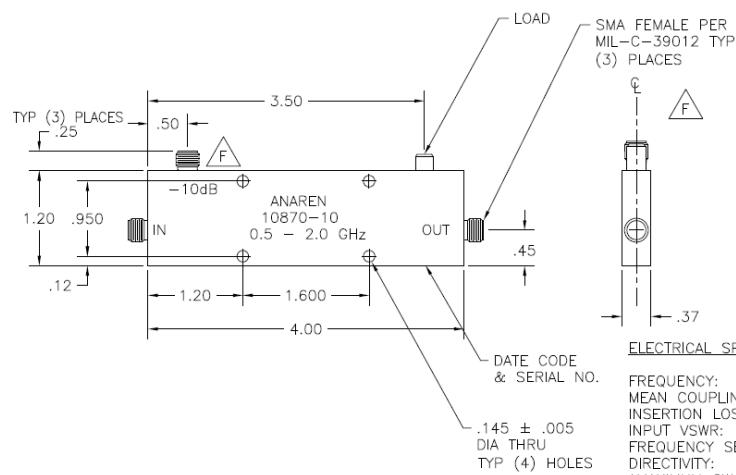
#### Features

- Military Grade
- 0.5 – 2.0 GHz
- In-Line Configuration
- Connectors Per MIL-C-39012
- Rugged Aluminum Housing
- Built in Termination



**NOTES:** Electrical and Mechanical Specifications subject to change without notice. Impedance: 50 ohms nominal. Meets MIL-E-5400 Class 3 requirements. Additional screening available for military and space applications.  
\*These power ratings apply when coupled port VSWR is 2.0:1.0 or less. Higher power can be handled with a lower VSWR termination. In general the Max CW Power is identical to 3dB couplers when there is no internal termination or one supplied by Anaren. All models have SMA connectors.

#### Outline Drawing



#### ELECTRICAL SPECIFICATIONS

FREQUENCY: .50 – 2.0 GHz  
 MEAN COUPLING: 10.0 dB ± 1.2 dB  
 INSERTION LOSS: .50 dB MAXIMUM  
 INPUT VSWR: 1.25:1.0 MAXIMUM  
 FREQUENCY SENSITIVITY: ± 1.2 dB MAXIMUM  
 DIRECTIVITY: 17 dB MINIMUM  
 \*MAXIMUM CW POWER: 50 WATTS FORWARD, 5 WATTS BACKWARD

\*RATING WITH COUPLED PORT TERMINATED INTO A 2.0 : 1.0 VSWR MAXIMUM



- NOTES:
1. DIMENSIONS ARE IN INCHES AND (MILLIMETERS)
  2. MARKING SHALL BE IN ACCORDANCE WITH MIL-STD-130.
  3. FINISH: EPOXY COATING PER MIL-C-22750, COLOR CHIP 35180 (BLUE) PER FED-STD-595, OVER EPOXY PRIMER PER MIL-P-23377.
  4. WEIGHT: 7.8 OUNCES (221 GRAMS) MAXIMUM

COMPUTER GENERATED DOCUMENT - MANUAL CHANGES NOT ALLOWED

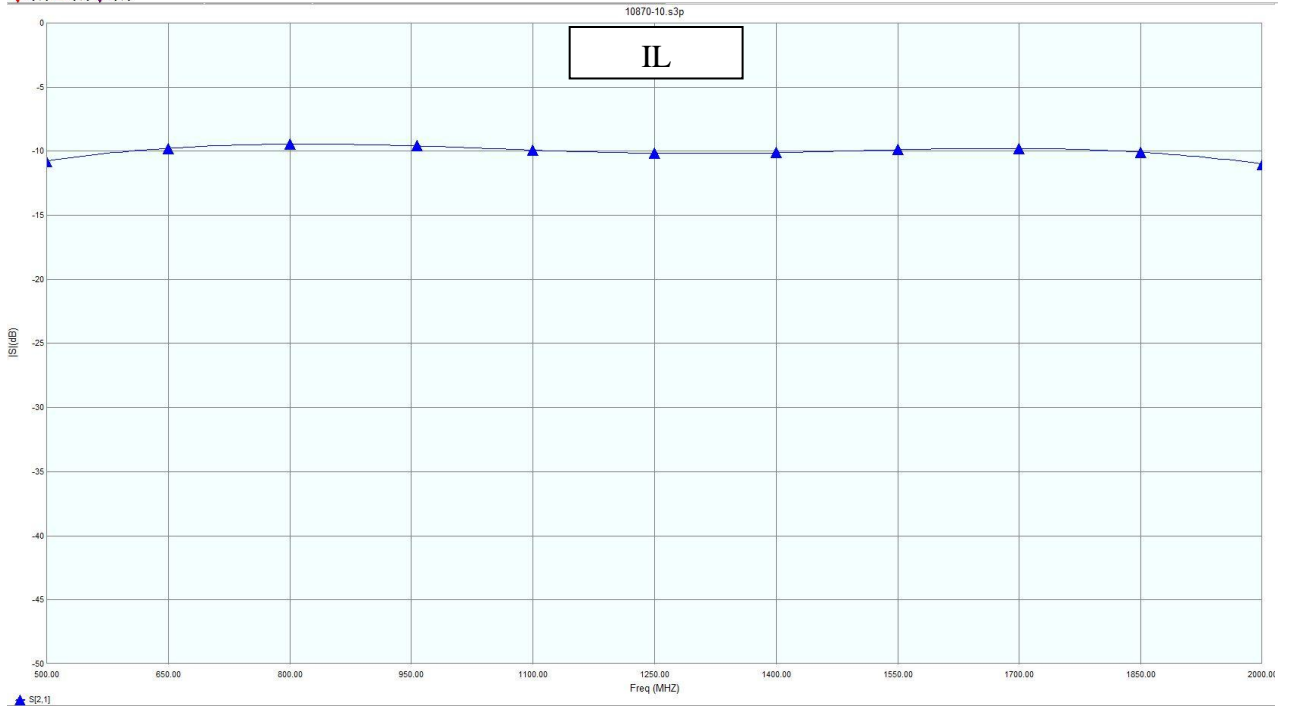
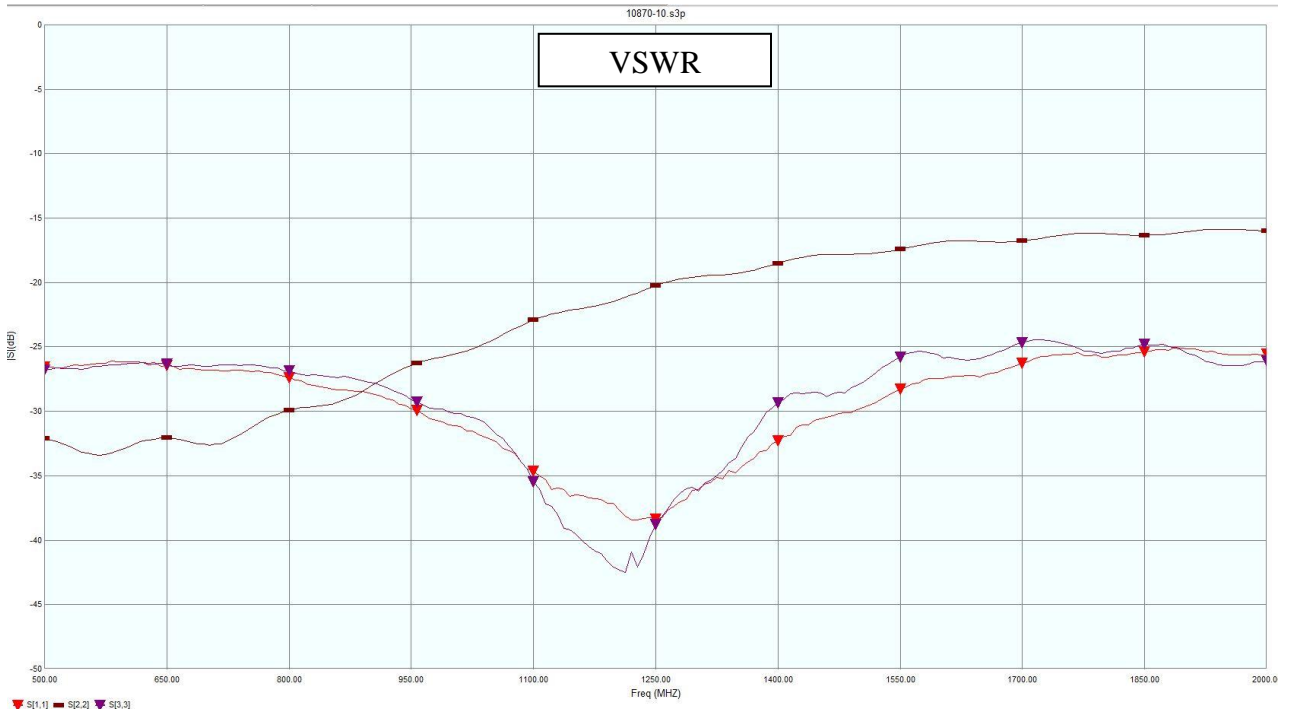
PART NO. 16128-G001

**Anaren** ANAREN MICROWAVE INC. EAST SYRACUSE, NEW YORK

DIRECTIONAL COUPLER

SIZE	CAGE CODE	DOC NO.	16128-G001
B	31597	REV	F
SCALE	1/1	DOC. CODE	3

Typical Test Data Plots



### Coupling

