



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Directional Couplers In-Line Style

Applications

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

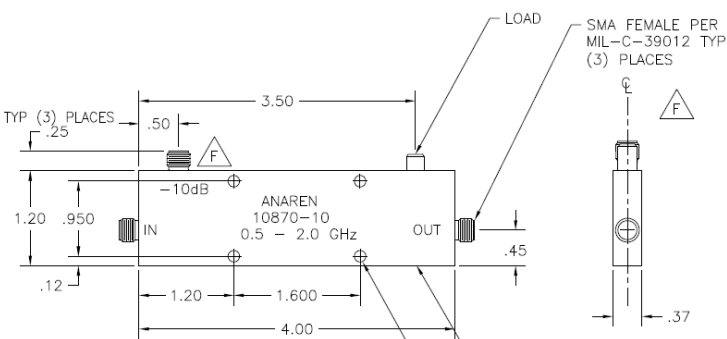
Features

- 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

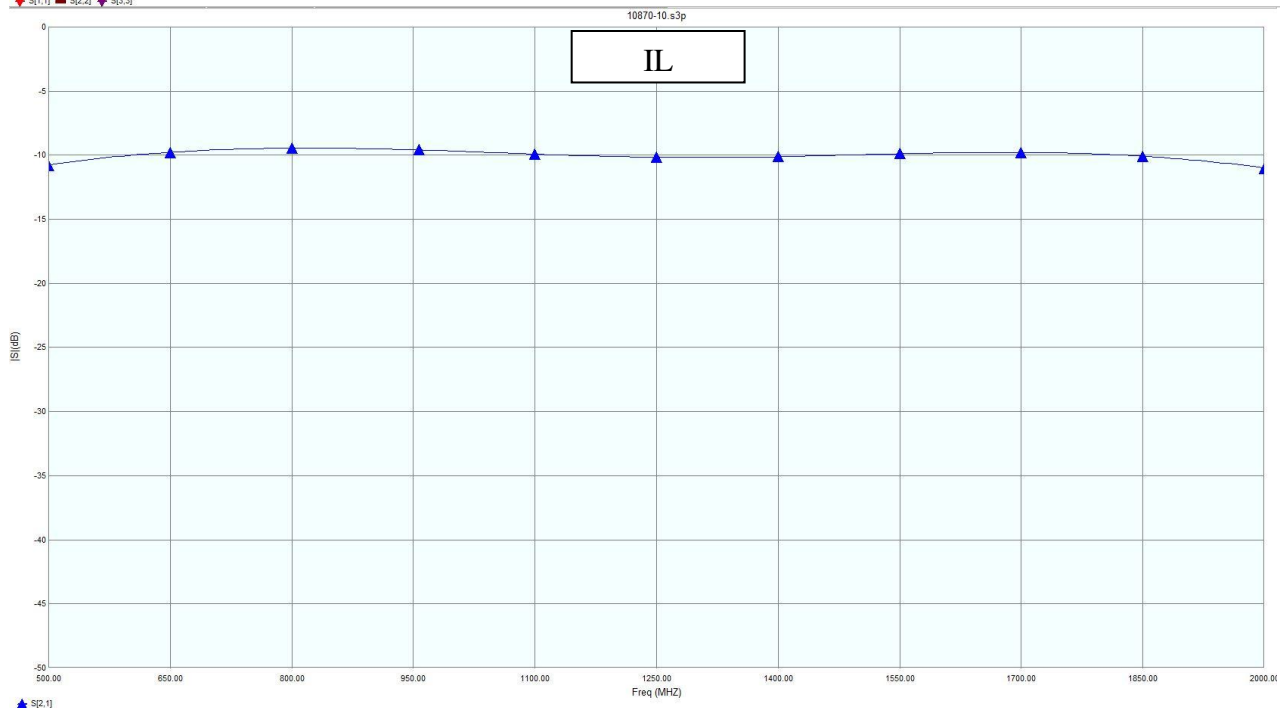
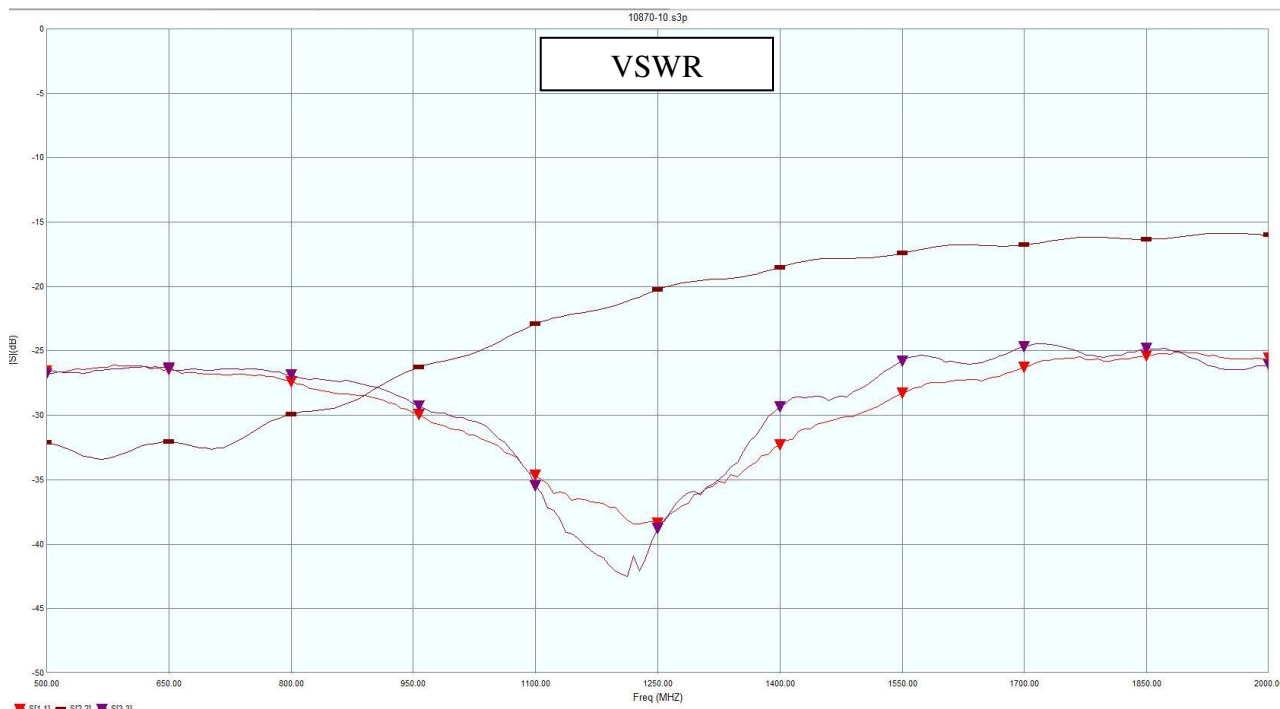
PART NO. 16128-G001

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
		REV	F
		SHEET	1 OF 1

Typical Test Data Plots



Coupling

